

SECTION 1.5

1.4

SIGN PAINTS AND ACCESSORIES



1-Shot Lettering Enamels

1 Shot Lettering Enamels are oil based, high gloss enamels for interior and exterior use on metals, wood and glass; and have been the benchmark in lettering enamels for over 50 years. Excellent flow characteristics, single stroke coverage and vibrant durability are just a few of the reasons 1 Shot Lettering Enamels remain the favorite of pinstrippers and sign painters alike. With their infinite color bleedability and full line of reducers and hardeners, it's no wonder 1 Shot Lettering Enamels are used by more sign and graphics professionals, than any other brand. Best results, including drying times, will be achieved when temperature is above 65 F. Not recommended for use in temperatures below 50 F. 1 Shot Lettering Enamel may be brushed, rolled, sprayed or airbrushed.



Available Colors

100-L Vermilion	101-L Lettering White	102-L Fire Red	103-L Polar White	104-L Bright Red
108-L Maroon	109-L Metallic Gold	110-L Metallic Copper	111-L Metallic Brass	114-L Medium Brown
115-L Dark Brown	116-L Ivory	117-L Tan	118-L Chamois	120-L Coral
124-L Orange	130-L Primrose Yellow	132-L Lemon Yellow	134-L Chrome Yellow	142-L Emerald Green
143-L Process Green	144-L Medium Green	148-L Dark Green	149-L Aqua	150-L Blue Green
151-L Robin Egg Blue	152-L Light Blue	153-L Light Blue	154-L Peacock Blue	155-L Reflex blue
156-L Brilliant blue	157-L Kansas City Teal	158-L Dark Blue	160-L Violet	161-L Proper Purple
162-L Purple	163-L Magenta	164-L Dark Magenta	165-L Rubine Red	168-L Salmon Pink
191-L Imitation Gold	193-L Metallic Silver	195-L Medium Grey	199-L Lettering black	

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1 Shot Poster Colors

An alkyd-resin, oil based paint suitable for show card writing, paper signs, interior murals, displays and set decoration; 1 Shot Art and Sign poster Colors provide superior, single stroke coverage, excellent flow characteristics and a dead-flat finish when dry. Eliminates color and sheen variations, even with multiple stroke applications, and will not wrinkle papers or card stocks. Best results, including drying times, will be achieved when temperature is above 65 F. Not recommended for use in temperatures below 50 F. Normally dries to touch in 30 to 45 minutes. Dry enough to handle in 3-4 hours. Recoat in 12-16 hours.

Available Colors

3000 White	3001 light Yellow	3002 Chrome yellow
3003 Orange	3004 Fire Red	3005 Bright Red
3006 Magenta	3007 Purple	3008 Dark Blue
3010 Blue Green	3012 light Green	3013 Dark Green
3014 Brown	3016 Ultra Blue	3099 Black

1 Shot Pearlescent Colors

1 Shot Pearlescent Colors are oil-based high gloss enamels for interior and exterior use on metal, glass, wood, masonite, fiberglass and enamel receptive vinyls. With their brilliant, sparkling lustre, especially under high intensity lights or direct sunlight, 1 Shot Pearlescent Colors are ideally suited for custom vehicle graphics, eye-popping displays and signs, or whenever additional "dazzle" is desired for that special project. Due to their translucent nature, 1 Shot Pearlescent Colors are best applied over a solid base of the same color. Best Results, including drying time, will be achieved when temperature is above 65 F. Not recommended for temperatures under 50 F. Allow 2-5 hours for drying, and 8-12 hours before handling. Recoat in 12-16 hours.

Available Colors

930-P Primrose Yellow	900-P Vermilion	904-P Bright Red
943-P Process Green	962-P Purple	964-P Dark Magenta
948-P Dark Green	950-P Blue Green	953-P Process Blue
955-P Reflex Blue		





1 Shot Fast Dry Gold Size

1 Shot Fast Dry Gold Size is the perfect choice for all surface gilding applications. Usually reaching it's gilding tack in 1 hour or less, that window remains open for up to 3 hours for a brilliant and consistent gild every time. And by adding up to 10% 1 Shot 4007 Hardener, your gilds are suitable for top coating with most automotive grade clears in 24 hours. That same extended window for gilding allows for sizing larger areas at once, saving you time, money and frustration. Best results, including drying times, will be achieved when temperature is above 65 F. Not recommended for use in temperatures below 50 F. Allow at least 45 minutes before gilding (though significantly LESS time required for variegated leaf, copper or aluminum). It is important to size a test panel of similar nature to test throughout the gilding process.



4005 Speed Dry UV Acrylic Clear

Fast drying and crystal clear, 1 Shot Speed Dry UV Acrylic Clear is a multipurpose solvent based acrylic clear that provides excellent UV protection. Ideal as a protective topcoat on thermal and solvent based prints, 1 Shot 4005 is also an excellent solution for preventing delamination and moisture migration on multi-layered films, such as reflective and metallized polyesters, and is in fact required as an edge sealer for warranty coverage when using SignGold genuine 22 karat gold films. Lifting or wrinkling should not occur when used as a topcoat over other 1 Shot enamels, after a minimum of 24 hours drying time, however, it is suggested waiting 72 hours when possible, or adding 1 Shot 4007 Hardener to your paint project, in anticipation of top coating. Normally dust-free in 30 to 60 minutes, although longer times in high-humidity environments are not unusual. Recoat in two hours.



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1 Shot Additives and Reducers

One key to a successful paint program, is to work with materials from within a system. The proper use of 1 Shot Reducers and Hardener in conjunction with 1 Shot pint products, is the first step in achieving the vibrance and longevity that sign makers, pinstripers and artists have come to expect.

REDUCERS

1 Shot 6000 Reducer, 6001 low Temp and 6002 High Temp Reducers act as flow enhancers at normal, low and high temperatures, respectively. These products, engineered for use with 1 Shot and Chromatic products, should always be used, as opposed to mineral spirits, turpentine and other less-than-compatible reducing agents.

HARDENER

1 Shot 4007 Hardener not only accelerates the drying times of 1 Shot Lettering and Pearlescent Enamels and Chromatic Bulletins; but enhances adhesion qualities as well. The use of 4007 Hardener also aids in preventing lifting when automotive clears are used over 1 Shot Lettering Enamels. While greatly reducing the workable pot life of your 1 Shot Enamels, adding up to 20% 4007 Hardener in place of any other reducers, will allow for clear coating within 12-24 hours. Note: As with all custom paint procedures, test panels should be utilized, and the first two coats of clear should be applied very dry. A premium product for cleaning your brushes after using 1 Shot and Chromatic paints, 1 Shot 4004 Brush Cleaner is specifically engineered not to conflict with oil based sign paints.





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Chromatic Bulletin Colors

Chromatic Bulletin Colors are low VOC, fast Drying, high gloss enamels that, due to their color clarity and superior durability, remain the industry standard for exterior sign and billboard painting. Fast drying times allow for fast cut in, and when time is money, Chromatic Bulletin Color Enamels are your best investment. Excellent adhesion, coverage and flow characteristics also make Chromatic Bulletin Colors perfect for use as above-water line marine and high gloss industrial applications. Best results, including drying times, will be achieved when temperature is above 65 F. Not recommended for use in temperatures below 50 F. Applications: BRUSH: Use lettering quills, fitches or foam brushes over white primer or base. Roller: Apply 1 coat over white primer or base. Spray: Apply two to four thin coats over white primer or base. Allow at least 1 hour for drying. Oxidative curing for one to two days is recommended. Allow 1 hour between coats when spraying.

Available Colors

4010101 White	4010101SW Super White	4010130 Primrose Yellow	4010132 Lemon Yellow
4010124 Orange	4010100 Vermilion	4010102 Fire Red	4010115 Dark Brown
4010114 Medium Brown	4010116 Ivory	4010134 Chrome Yellow	4010108 Maroon
4010106 Carmine	4010144 Medium Green	4010142 Emerald Green	4010143 Process Green
4010140 Light Green	4010163 Magenta	4010164 Process Purple	4010164 Purple
4010148 Dark Green	4010150 Blue Green	4010153 Process Blue	4010152 Light Blue
4010156 Brilliant Blue	4010166 Reflex Blue	4010166 Dark Blue	4010195 Medium Gray
4010021 Black	4010021F Matte Black		

Chromatic Primers and Blockouts

1 Shot and Chromatic Paints offer, as part of their complete "start to finish" paint system... a full line of primers and Blockouts for Sign, Graphic Arts and Industrial applications.

Acrylic Bonding Primer / Block Out White (5005)

A multi-purpose interior and exterior water based acrylic primer formulated with superior adhesion qualities. Ideal for use as a block out on previously painted vinyl surfaces. Provides a superior surface for painting with Lettering Enamels, Bulletin Colors and Art and Sign poster Colors.

High Build Primer White (4411010)

High viscosity waterborne primer developed to fill porosity in high density urethanes. Easily sanded for a smooth finish.

PBOW Block Out White (4420101)

Fast drying, high viscosity coating for blocking out previously painted signs. Also for priming new MDO surfaces. Sands easily.

PBOW 602 Block Out White (4420602)

A high viscosity block out white, with higher pigmentation than PBOW Blockout White, offering virtually complete coverage over previously painted signs.

PMWPW Metal and Wood Primer (4403101)

A fast drying high opacity primer with a coarser "tooth" on it's surface, yet sands easily.

Block Out White (197-B)

Semi-Opaque, this oil based enamel is for use as a first coat in repainting signs where tracing and duplicating the old lettering and graphics is desired. Not for use as a finish coat.

PMPW Masonite Primer White (4401101)

Made expressly for tempered hardboards, provides excellent adhesion and durability, while preserving the smooth surface of the hardboard sheet.

WP1008 universal White Primer (4411008)

A waterborne high performance modified acrylic suitable for many surfaces including wood, metal, acrylic, HDU, most rigid PVCs and masonry (brick and concrete) surfaces. Not suitable for use with polycarbonates. Long term outdoor durable, and can be water-sanded with 1500 grit sandpaper to a glass-like finish, promoting high gloss top coating.

Ti-Cote Clear Primer Barrier Coat (4331010-Gloss) (4331011-Flat)

A high performance water based clear primer used for treating vinyl surfaces (banners, awnings, flex faces and vinyls) to make them receptive to Lettering Enamels.

Vinyl Primer (5004)

A water based primer that goes on milky white, but dries clear, and allows for use of Lettering Enamels, Bulletin Colors Fluorescent and Art and Sign poster Colors, on most synthetic surfaces.

WP1002 High performance Waterborne Acrylic Coating Block Out White (4411002)

High opacity block out white primer for wood, MDO, or vinyl substrates. Excellent UV and weather resistance. Dries to a flat to semi-gloss finish, depending on number of coats applied.



Chromatic Background Enamels

Chromatic Background Enamels are high gloss, fast drying enamels used where quick turnaround times are a must. Suitable for forced drying, Chromatic Background Enamels will usually dry in 30 to 120 minutes. Best results, including drying times, will be achieved when temperature is above 65 F. Not recommended for use in temperatures below 50 F. Air dries in 30 to 120 minutes. Allow 1 hour between coats when spraying.



Grip-Flex® Translucent Coatings

Akzo Nobel is credited with many industry firsts. From the development of Grip-Flex, the standard in translucent coatings for plastic backlit substrates, to the introduction of the Akzo Nobel intermix® System, an on-site color matching system that allows you to mix more than 2,000 colors, while reducing paint costs by 30% and waste by as much as 90%.

Developed more than 50 years ago, Grip-Flex is the brand painters know they can trust to be easy to color match, mix and apply, while providing a long lasting, fade resistant finish.

Mixing and matching colors by hand is a slow and costly procedure. Often you end up with more paint than you need, or a color you can't use. With the Intermix System, you can mix paint 10 times faster than you can by hand.

Because Grip-Flex is suitable for polycarbonate, vinyl, flex face, acrylic and ABS, you only need one product for multiple types of plastic substrates. In addition, Grip-Flex's translucent colors are easy to apply, which reduces mottling and allows you to obtain the desired reflected and transmitted color.

Akzo Nobel also offers Grip-Mask®, a waterborne strippable coating, allowing you to achieve a perfect, long-lasting sign every time.



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Grip-Gard® Acrylic Polyurethane Coating

Grip-Gard is a fast drying two-component acrylic polyurethane topcoat that is exceptionally durable and easy to apply. It covers in fewer coats and dries quickly, so you can meet stringent production schedules while ensuring excellent gloss retention and face resistance. Its resistance to impact and chemicals make Grip-Gard ideal to finish a variety of metal, wood and fiberglass substrates.



Grip-Gard works as a high-gloss topcoat, or can be easily customized to achieve any lower-gloss level just by modifying it with Grip-Gard Gloss Modifier.

The Akzo Nobel intermix® System is an on-site color matching system that allows you to mix more than 10,000 colors, while reducing paint costs by 30% and waste by as much as 90%. With the Intermix System, you can mix paint 10 times faster than you can by hand.

Grip-Gard VPS (Vinyl Protection System) provides maximum protection to vinyl awnings and signage, extending the service life of flexible vinyl substrates and reducing maintenance at the same time.

Plus, every can of Grip-Gard Acrylic Polyurethane is backed by Akzo Nobel so you're never far from the answers you need.

Suitable Surfaces include, Primed aluminum, steel or galvanized steel (when primed with any Grip-Gard Primer) fiber glass, wood hardboards or plywood. Old finishes with the exception of thermoplastic acrylic finishes.



Grip-Gard® PLUS Acrylic Polyurethane Sign Finish



Grip-Gard Plus is a high solids, two-component, polyurethane enamel topcoat developed for application to metal signage components. Designed as a Intermix toner system, this revolutionary new topcoat can be mixed to match thousands of colors in any gloss level desired. And in side-by-side tests with competitive products, Grip-Gard Plus is unsurpassed in ease of application, coverage rate, appearance and durability.

This coating system was developed with your profit and your image in mind. Proprietary resin technology, combined with innovative chemistry and the highest quality pigments and additives have resulted in a finish that is superior in virtually every measure. Advanced coating technology achieves unparalleled flow-out and a surface virtually free of orange peel enhancing the beauty of any color. Painters will find Grip-Gard Plus metallic colors will 'lay down' easily with far less mottling and better orientation. The same high quality pigments and additives that produce the excellent appearance also provide exceptional hiding so that coverage is achieved at the minimum film build, saving both time and money.

State of the art resin technology maintains gloss and film integrity through the toughest environments. Your sign's finish withstands chemicals, detergents, graffiti, salt, stone chips, temperature extremes and other elements to keep on working to protect your customer's investments.

Grip-Gard Plus Ancillary Products

Grip-Gard Plus Hardener	Item # 080293
Grip-Gard Plus Reducer	Item# 082284
Grip-Gard Plus Retarder	Item# 085706
Grip-Gard Plus 444 Matte Paste	Item# 085647
Grip-Gard Plus Accelerator Reducer	Item# 085715
Grip-Gard Plus Super Top Accelerator	Item# 085714

Z-Prime Oil Based and Z-Prime II Water Based Primers

Z-Prime is a super-fast drying, white pigmented, oil based stain blocking primer/sealer/bond-coat.

Veritile, time-saving primer for difficult surfaces including old enamel, pre-finished paneling, hardboards, aluminum, and clean galvanized metal. Adhesion to non-porous surface is excellent. Provides a firm bond on any paintable surface for any conventional top-coat. Outdoors, Z-Prime may be used for spot priming or for dimensionally-stable surfaces such as aluminum, clean galvanized metal, or wrought iron. For Exterior wood priming use oil-based Z-Prime or water-based Z-Prime II.



Dries super-fast in 45 minutes - Z-Prime is usually ready for top coating in an hour or less, depending on temperature, ventilation, and film thickness.

Blocks stains - Bonds to difficult surfaces. Seals and sticks to surfaces contaminated with oil, grease, smoke, and waterborne deposits where conventional primers are not successful. Solves stain-problems, such as water stains, graffiti, ink, and rust.

Rapid Tac Products



Pressure sensitive vinyl decal products were introduced to the auto industry about 30 years ago. Those old vinyl decals were calendered, thick and difficult to work with. Most all applications were done dry, with poor results. Some manufacturers advised soap and water applications. Often the substrate was cleaned with a shop rag that had been exposed to numerous varieties of solvents.

Cleaning with oil based solvents, using cloth towels or commercial paper towels just added to the contamination problem and prohibited good bonding. Soapy water generates foam, so bubbles were easily trapped under the vinyl. If that wasn't enough, the soap and water mixed with contaminating solvent residues and would take hours to bond. Obviously no one was thrilled about applying vinyl in those days.



Well, times have changed and so have the films and vinyls! We now have a large variety of "high performance cast" films from which to choose. When matched to the correct choice of transfer, i.e. application tape, and stored properly out of the air and away from sunlight, today's film will perform much better than those products in the past.

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Rapid Tac and Rapid Tac II Application Liquid

For fast, easy, quality wet applications with no bubbles even in cold weather.



Granted, not all vinyl and graphic applications need to be wet application to be successful, but we do know that in most applications nearly 50 percent in labor time can be saved by using Rapid Tac application fluid. Sometimes a job normally requiring two people to perform a dry application can be done in less time by one person using an application fluid like Rapid Tac or Rapid Tac II. Application fluid cleans without leaving residues. Best of all it simulates the adhesive to bond in approximately 90 seconds, even in a colder environment. It will not cause bubbles so there's no poking holes in your work. Your customers and your reputation will benefit from higher quality applications and your protection will increase as well.

The original Rapid Tac Application Fluid was formulated to make wet application of vinyl films simple and fast. Rapid Tac application fluid is the best choice when working with premium cast films and most acrylic adhesive systems. Applying vinyl wet with Rapid Tac gives you control over positioning time while you "float" the film. Rapid Tac and Rapid Tac II also increase the adhesive bond between your film and the substrate and will eliminate air bubbles. Another benefit to applying vinyl wet is the ease of removing the transfer film. Simply spray the transfer film with Rapid Tac to make it easier to pull away the transfer tape. Soap and water can't compare.

Rapid Tac II helps most adhesives to bond faster than the original Rapid Tac. It is formulated for intermediate calendered and ultra calendered films that don't normally have an adhesive as aggressive as cast premium films. Rapid Tac II is also perfect for cold weather and glass applications. Rapid Tac II is not a replacement the original Rapid Tac, and may bond too fast with "Premium Cast" films in warmer climates.

Rapid Tac Wax, Silicone and Grease Remover

For cleaning or pre-cleaning, Rapid Prep is a non-hazardous wash solvent that removes wax, grease, oil and silicone. After using Rapid Prep to clean the substrate (sign panels, autos or boats) you can apply paint or vinyl. Rapid Prep is also non-flammable, making it a superior product for sign shops where safety is a big concern. Rapid Prep was formulated by people with hands on experience, with a desire to have a safer more effective pre-cleaner. This water born product is formulated for the removal of silicones, waxes, oils, road tars and other contaminants from surfaces being prepared for painting or for the application of vinyl graphics.



Rapid Prep helps eliminate the problems of fish-eyeing of paints, also will increase the adhesion of vinyl graphics.

Rapid Prep is a safe and economical product that all paint and application shops will benefit from.

Rapid Prep also takes the place of many hazardous petroleum based products currently on the market today.



Rapid Remover - Film and Polycarbonate Polish

The perfect end to a job well done. Rapid Clear cleans and polishes Plexiglas, glass, and most polycarbonates. Use Rapid Clear as a final cleaning for your sign work, auto restoration, etc. Non-hazardous and biodegradable.

Perfect for

Household Glass	Auto Glass / Aircraft Windows	Marine Windows
TV Screens	Computer Monitors	Tinted Glass
Eye Wear	Safety Shields	Cameras
Optical Equipment		

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Rapid Remover - Adhesive Remover



Rapid Remover is for removing adhesive quickly without damage or mess. This environ-

ally friendly product is great for removing adhesive glue left over by decals and vinyl graphics. Rapid Remover is a non-toxic, water-soluble that breaks down and removes adhesives in sixty seconds. You spray it on, wait thirty to sixty seconds, and easily wipe it off with a plastic squeegee, with no damage to painted or bare metal surfaces. What may have been a four-hour job can now be done in one and half-hours: an easy, clean and non-

damaging removal. Your shop or business will benefit greatly from these products; think of them as tools. Get the right tool for the job.

- Step 1: Remove decal with heat lamp or heat gun
- Step 2: Spray glue residue with Rapid Remover and let penetrate for 30-60 seconds
- Step 3: Using a squeegee, scrape to remove glue residue
- Step 4: Spray Rapid Remover on a paper towel and wipe surface clean
- Step 5: Rinse surface with Rapid Remover application fluid or water. The product is water-soluble



GAP™ Orange Peel Adhesive Remover



Orange Peel adhesive remover, is a natural citrus based solvent, developed for the removal of oil and water based adhesives, wax, tar, oil, chewing gum and ink graffiti. May be used on automotive, boat, glass, acrylics, metals, masonry, cloth/vinyl fabrics and many other surfaces. This is a pleasant smelling Biodegradable formula that contains no toxic petroleum distillates, no chlorinated hydrocarbons, no alcohol, no ethylene, no caustics, no acids or pollution causing ingredients. Do not use on styrene plastics. When using on sealed masonry surfaces: test on a inconspicuous area to make certain it will not remove seal.

Available sizes:

Gallon

Quart

16-ounce

4-ounce

Solo Horton Brushes



P Series Tin Handle Acid Brush

Use for gluing, pasting, soldering or acid applications. Very popular for one time usage.

- Horsehair bristle is held in place by a staple and double crimped

Available sizes:
00, 0, 1, 2, 3



60 W Pure White Disposable Bristle Brush

Pure White China Bristles Disposable paint or Chip brush, valuable multi-purpose paint, touch-up or gluing brush. Imported for economy. Bristles securely set in epoxy for solvent resistance. Plain unlacquered white wood handle.

Available Sizes:
1/2, 1, 1-1/2, 2,
2-1/2, 3, 4, 4ST



65 Better Grade White Bristle Brush

Premium grade white china bristle paint or chip brush. For applications where brushes may be used several times or where bristle loss can be less tolerated. Has longer bristle length than 60W series and is thicker for holding paint or glue

Available sizes: 1/2, 1,
1-1/2, 2, 2-1/2, 3, 4(7/16
thick), 4(11/16 thick)



67 Best Domestic Grade White Bristle or Chip Brush

This is the very best grade china bristle chip brush. Very well filled and firmly held with the latest epoxy glues. More tolerant of today's exotic solvents. More expensive, but more brush for those who prefer American quality.

Available sizes: 1/2, 1, 1-1/2,
2, 3, 4



60 P 100% Black Bristle Utility Brush

100% black china bristle utility paint or chip brush. A good oil and chip brush for those who prefer black bristle. Plastic handle with bristle firmly set in epoxy

Available sizes:
1/2, 1, 1-1/2, 2, 3

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P 87 Acid or Dope Brush

White wood handle with black horsehair bristle firmly held by metal ferrule.

Available sizes: 7



80 Synthetic Utility Brush

Synthetic utility paint or chip brush. Multi-purpose inexpensive paint, touch-up or chip brush. Polyester bristle is set in epoxy. Plastic handle with metal ferrule.

Available sizes: 1/2, 1, 1-1/2,
2, 3, 4



832 Good Quality Paint Brush

A very good quality paint brush. More than a grade up from the disposable category. Extra thickness folds more liquid while epoxy firmly keeps bristles in place. Wood handle with metal ferrule. May be our best paint brush value.

Available sizes: 1, 1-1/2,
2, 3



420 Fine Quality Black Bristle Paint Brush

Thicker bristle holds more paint. Extra bristle length and naturally flagged tips mean smoother paint application. Bristle is set in epoxy. Plain wood handle with nickelled steel ferrule. Made in U.S.A.

Available sizes: 1, 1-1/2, 2, 3



90 Finer Qual- ity Black Bristle Paint Brush

Extra thickness holds more paint and lasts longer. Rustproof, nickelled ferrule with bristle set in epoxy. Solvent resistant handle is made of expanded polypropylene. Made in U.S.A.

Available sizes: 1,
1-1/2, 2, 3



390 Professional Grade Paint / Varnish Brush

100% China bristle set in epoxy cement. Extra thickness and bristle length assure smooth application and finish. Deep chisel trim with nickelled ferrule and kaiser style lacquered handle. Made in U.S.A.

Available sizes: 1,
1-1/2, 2, 3



640 Finer Quality Poly- ester Paint Brush

Extra thickness holds more paint and lasts longer. Bristle is set in epoxy inside rustproof, nickelled ferrule. Easily serves most paint brush needs where synthetic bristle is required. Handle is natural colored solvent resistant expanded polypropylene,

Available sizes: 1, 1-1/2, 2, 3



490 Best Quality Wall Brush

Best quality wall brush for general usage. Longer trim assures smooth paint application. Bristles are securely set in solvent resistant epoxy. Solvent resistant expanded polypropylene handle with nickelled ferrule.

Available sizes: 3, 4



840 Best Quality Synthetic Wall Brush

For both oil and water based paint application. Flagged and tipped synthetic bristles allow smooth paint application. Nickelled ferrule and expanded polypropylene handle.

Available sizes: 3, 3-1/2, 4



480 Better Qual- ity Wall Brush

Quality wall brush for all around use. Black China bristle is set in solvent resistant epoxy plain wood handle.

Available sizes: 3,
3-1/2, 4



Solo Horton Brushes

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**550 Pure China
Bristle Sash Brush**

Pure china bristle flat sash. Bristle is epoxy set to resist most solvents. Chiselled trim with long, plain, white wood sash brush style handle. Used for painting, gluing, or as an oil and chip brush, Made in U.S.A.

Available sizes: 1, 1-1/2, 2



**559 Polyester Bristle
Flat Sash Brush**

A fine quality sash brush many prefer for water based paints. Can also be used for general applications such as gluing or applying other viscous materials. Bristle is firmly set in epoxy. Handle is expanded polypropylene. 2-1/2 inch size fits into quart can Made in U.S.A.

Available sizes: 1-1/2, 2, 2-1/2



**557 Angular Flat
Sash Brush**

A fine quality sash brush many prefer for water based paints. Can also be used for general applications such as gluing or applying other viscous materials. Bristle is firmly set in epoxy. Handles is expanded polypropylene. 2-1/2 inch size fits into quart can. Made in U.S.A.

Available sizes: 1-1/2, 2, 2-1/2



**555 Oval Sash Brush
for General Use**

China bristle oval sash brush is ideal for use as oil or chip brush, or for paint or glue applications. Bristle is set in epoxy, inside round, seamed ferrule. Round, plain wood handle.

Available sizes: 2, 4, 6, 8, 10, 12



**560 Finest China Bristle
Oval Sash Brush**

Finest quality pure black bristle oval sash. Bristle is set in epoxy to resist most solvents. Round, clear lacquered wood sash brush handle with seamless nickelled ferrule. Chiselled trim. Use for painting, gluing or wherever a better quality sash brush is needed. Made in U.S.A.

Available sizes: 2, 4, 6, 8, 10, 12



**1050 Fine Flat White
Bristle Artist Brush**

A favorite with industry and schools. Seamless nickel plated ferrule and clean lacquered handle. Solvent resistant setting. Overall length approximately 12 inches.

Available sizes: 1, 2, 3, 4, 6, 8, 10, 12



**472 Bent Handle
Radiator Brush**

Ideal for painting hard to reach places such as behind radiators or machines. Pure china bristle is held inside bent ferrule by latest epoxies. 2-1/2 inch size fits into quart can.

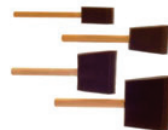
Available size: 2-1/2



**1052 Good Quality
Bright White Bristle
Artist Brush**

A favorite with industry and schools. Seamless nickel plated ferrule with clear lacquered handle and solvent resistant setting. Overall length approximately 12 inches.

Available sizes: 1, 2, 3, 4, 6, 8, 10, 12



**140/150 Economical
Polyfoam Applicators**

For smooth paint, varnish or oil applications. Often used by artists for background blending. Not to be used in lacquer, shellac or active solvents. Wood handle. Average overall length 7-1/2 inches.

Available sizes: 1, 2, 3, 4,



**2050 Finest Quality
Flat White Bristle Artist
Brush**

For the true professional. Interlocking bristle construction for permanency of shape. Finest white bristle set in epoxy. Rustproof seamless nickel plated ferrule with natural, clean lacquered handle. Overall length approximately 12 inches.

Available sizes: 1, 2, 4, 6, 7, 8, 10, 11, 12



**2052 Finest Quality
Bright White Bristle
Artist Brush**

Finest quality bright white bristle artist brush for the professional. Interlocking bristle construction for permanency of shape. Finest French white bristle is set in rustproof nickel plated ferrule with natural, clear lacquered handle. Overall length approximately 12 inches.

Available sizes: 1, 2, 4, 6, 8, 10, 12



**1979 Fine
Quality OX Hair
Stroke Brush**

Used by schools and industry for all types of utility applications. Seamless aluminum ferrule and dark blue handle. An excellent value.

Available sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1



**1054 Fine Quality
Round White Bristle
Artist Brush**

Ideal for schools or industry, but fine enough for the better artist. Seamless nickel plated ferrule with clear lacquered handle. Solvent resistant setting. Overall length is approximately 12 inches.

Available sizes: 1, 2, 3, 4, 6, 8, 10, 12



2023 Fan Brush

Finest quality pure white bristle fan blender. Bristle is hand cupped to form a thin edge fan shape. Seamless nickel plated ferrule. Polished maroon handle. Truly fine artist quality. Overall length is approximately 8 inches.

Available sizes: 1, 3, 6



**2054 Finest Round
White Bristle Artist
Brush**

For the professional. Interlocking bristle construction assures permanency of shape. Rustproof seamless nickel plated ferrule with natural, clear lacquered handle. Overall length approximately 12 inches.

Available sizes: 1, 2, 4, 6, 8, 10, 12



Solo Horton Brushes



2179 Finest Quality OX Hair Stroke Brush

Professional quality black OX hair is set in solvent resistant epoxy. Seamless aluminum ferrule on orange polished handle. Overall length approximately 7-1/2 inches.

Available sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1



2181 Fine Brown OX Hair Stroke Brush

Professional quality brush for jobs requiring a fine stroke. Nickel plated rustproof ferrule with polished walnut handle. Average overall length is 7-1/2 inches.

Available sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1



2180 Finest Grey OX Hair Stroke Brush

No compromise. The finest pale grey OX hair stroke brush. Seamless nickel plated ferrule, polished royal blue handle. Overall length average 8 inches.

Available sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1



2190 OX Hair Signwriter

Finest quality light OX hair is chiselled to a straight edge. Solvent resistant setting with seamless, nickel plated ferrules. Glossy maroon handles. German craftsmanship.

Available sizes: 1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2



3012 French Grey Lettering Quills

The French master grey or brown lettering quills are made of the finest selected camel hair, brass wire bound by skilled French Artisans for many generations. All sizes of the French Master are made of 100 % pure grey Talahutky or brown Kassane squirrel hair and are noted for their uniformity resiliency and clean square edges. For 70 years there have been none finer.

Available sizes: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 20, 22, 24, 26



2115 Economical Camel Hair Touch-Up Brush

A very popular workhorse in many industrial applications such as circuit board touch up, gluing, or paint touch-up. Also a favorite with schools because of its combination of good quality and low price. Seamed aluminum ferrule and black handle.

Available sizes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12



2109 Fine Quality Camel Hair Water Color Brush

Competitive price makes this brush a favorite upper grade school art or industrial tool. Hair set in epoxy. Seamless aluminum ferrule on polished blue handle. Overall length is about 7-1/2 inches.

Available sizes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12



2108 Professional Quality Water Color Brush

Finest professional quality camel hair water color brush. Very popular with artists in the ceramics and graphic art field. Selected brown Kassane squirrel hair is set in seamless aluminum ferrule with walnut lacquered handle. Overall length approximately 7-1/2 inches

Available sizes: 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12



7764 Flat Camel Hair Lacquering Brush

A very popular touch-up, lacquering or general purpose brush used extensively for industrial applications. Hair is securely set in solvent resistant epoxy. Seamless aluminum ferrule on plain white wood handle. 7 inch overall.

Available sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1



3013 Grey/ 3173 Brown Lettering Quills

The French Master grey or brown lettering quills are made of the finest selected camel hair, brass wire bound by skilled French Artisans for many generations. All sizes of the French Master are made of 100% pure grey Talahutky or brown Kassane squirrel hair and are noted for their uniformity resiliency and clean square edges. For 70 years there have been none finer. All 1-1/4 trim with handle.

Available sizes: 0, 1, 2, 3, 4, 5, 6, 7, 8, 10 Brown 12, 14, 16, 18, 20



2365 Fine Quality Camel Hair Marking Brush

Used by industry for general marking purposes and by schools for easel painting. Seamless aluminum ferrule won't scrape fingers or snag clothes. Maroon or blue lacquered handle. Overall length approximately 13 inches

Available sizes: 1, 2, 3, 4, 5, 6, 7, 10



3163 Fine Round Camel Hair Lacquering Brush

Round camel hair wash/ lacquering brush. Large nominal sizes. Fine black camel hair with rustproof seamless aluminum ferrule. Used for a variety of artistic and industrial applications. Hair set in solvent resistant epoxy. Maroon polished handles.

Available sizes: 1, 2, 3, 4, 5, 6



2184 GX French Levron Truck Letterer Brush

Pure grey Talahutky, brown Kassane and finest OX hair blended to produce the finest lettering stroke brush available. Contains no synthetics. Seamless nickel plated ferrule on black polished handle.

Available sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1



3364 Finest Flat Camel Hair Lacquering Brush

Camel hair is set in solvent resistant epoxy on black polished handle and seamless aluminum ferrule. Ideal for the ceramic artist or any kind of touch-up requiring a quality brush.

Available sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1



242 Finer Quality Camel Hair Lacquering Brush

Finer camel hair lacquering, bronzing/dusting brush. Used for all types of glazing, dusting or color work. Clear lacquered handle with stainless steel ferrule.



Solo Horton Brushes

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1120 Fine Flat Oval Trim Camel Hair Wash Brush

A popular brush in the ceramics craft. Also very popular as a water color wash brush. Seamless aluminum ferrule with blue handle. Hair set in solvent resistant epoxy. Overall length approximately 9-1/2 inches.

Available sizes: 0, 1, 2, 3, 4, 5, 6



2223 Camel Hair Sword Striper

Finest quality pure selected squirrel hair in lacquer resistant steeling with brass wound ferrule. German craftsmanship. A very good blend of quality and value.

Available sizes: 00, 0, 1, 2, 3, 4,



2103 Synthetic White Taklon Watercolor Brush

Excellent pointing and elasticity for touch-up or graphic arts work. Taklon bristle is securely set in solvent resistant material. Seamless aluminum ferrule and dark Marron lacquered handle. A very good buy.

Available sizes: 00000, 000, 0, 1, 2, 3, 4, 5, 6, 8, 10, 12



2105 Professional Red Sable Watercolor Brush

Finest quality Dresden professional red sable watercolor brush. Selected red sable is solvent resistant setting with nickel plated seamless ferrule. A very popular brush in the graphic arts. Black polished handle with overall length approximately 7-1/2 inches.

Available sizes: 00, 0, 1, 2, 3, 4, 5, 6, 8



4905 Fine Red Sable Watercolor Brush

Fine quality, good pointing red sable watercolor style or touch-up brush. Very popular in electronic, dental and ceramic industries. An ideal economy sable brush for schools. Seamless aluminum ferrule with solvent resistant setting and walnut lacquered handle. Overall length approximately 7-1/2 inches. A good combination of quality and value.

Available sizes: 000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 10



1014 Quality Round Sable Artist Brush

Fine quality round red sable artist brush. A favorite with schools and industry. Red sable is hand cupped to a fine point. Rustproof, nickel plated seamless ferrule with solvent resistant setting and clear lacquered handle. Overall length is approximately 12 inches.

Available sizes: 1, 2, 3, 4, 6, 8, 10, 12, 14



4908 Flat Short Handle Sable line Watercolor Brush

Same quality as 4905 round sable line watercolor brush only with a FLAT configuration. Seamless aluminum ferrule with solvent resistant setting and walnut lacquered handle. Overall length is 7 inches.

Available sizes: 0, 2, 4, 6, 8, 10, 12



1018 Fine Artist Brush

Fine quality flat red sable artists brush is a favorite with schools, arts and industry. Red sable is cupped to a straight, square edge with rustproof seamless nickel plated ferrule. Solvent resistant setting, clear lacquered handle. Overall length approximately 12 inches.

Available sizes: 1, 2, 3, 4, 6, 8, 10, 12



2010 Finest Quality Flat Red Sable Artist Brush

Finest quality flat red sable artist brush for the professional. Red sable is hand cupped to a straight square edge with rustproof nickel plated ferrule and long black polished handle. Finest quality available. Overall length approximately 12 inches.

Available sizes: 1, 2, 3, 4, 6, 8, 10, 12



3121 Finest Miniature Spotting Brush

Finest quality miniature spotting brush. Used extensively in photo retouching or where very fine touch-up work is required. Selected pure red sable is set in epoxy inside seamless nickel plated ferrule. Black polished handle. None finer. Overall length about 6-1/2 inches.

Available sizes: 00000, 0000, 000, 00, 0, 1, 2, 3



2002 Finest Round Red Sable Artist Brush

Finest quality round red sable artist brush for the professional. Select red sable is hand cupped to a fine point and set in solvent resistant setting. Nickel plated ferrule on long polished black handle. Overall length of approximately 12 inches

Available sizes: 1, 2, 3, 4, 6, 8, 10, 12



2161 Extra Long Lettering Brush

Finest quality extra select red sable hand cupped to straight, square edge, Large series, nickel plated ferrule on polished walnut handle. None finer.

Available sizes: 1, 2, 4, 6, 8



2176 Fine Select Red Sable Stroke Brush

Ideal for most show card lettering applications. Hand cupped to straight edge. Seamless nickel plated ferrule on black polished handle. Overall length approximately 7-1/2 inches

Available sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1



2160 Finest Script Brush

Selected pure sable for the finest scroll work and fine line detail. Seamless nickel plated ferrule with polished black handle. A truly fine script tool.

Available sizes: 1, 2, 3, 4, 5, 6



2159 Finest Monogram Brush

Select, pure sable for longer sensitive strokes of script nature. Seamless, nickel plated ferrule and maroon, polished handle. No finer monogram tool available. Overall length approximately 7-1/2 inches

Available sizes: 1, 2, 3, 4, 5, 6

Solo Horton Brushes



2153 Finest Quality Show card Letterer Brush

Large sizes. Extra selected red sable is hand cupped to a clean square edge. good for lettering in any type of color. Seamless nickel plated brass ferrule with black polished handle. Overall length average 8 inches.

Available sizes: 1, 2, 3, 4, 6, 8, 10, 12



2176 Fine Select Red Sable Stroke Brush

Ideal for most show card lettering applications. Hand cupped to straight edge. Seamless nickel plated ferrule on black polished handle. Overall length approximately 7-1/2 inches.

Available sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1



2149 Round Sable line Show card Lettering Brush

Fine quality round lettering brush can be used on rough surfaces. Popular with schools. Nickel plated ferrule with blue polished handle. Overall length approximately 8 inches

Available sizes: 1, 2, 4, 6, 8, 10, 12



2150 Good Quality Show card Lettering Brush

Red sable is cupped to a fine square tip. Seamless nickel plated brass ferrule with black handle. Overall length is approximately 8 inches.

Available sizes: 1, 2, 4, 6, 8, 10, 12



2203 French White Bristle Banner Fitch Brush

A favorite of signwriters. Seamless, nickel plated ferrule and smooth, unfinished handle. Length approximately 13 inches.

Available sizes: 1/4, 1/2, 3/4, 1, 1-1/2

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2258 French White Angular Liner Brush

Bristle is hand cupped to slanting, straight edge. Round, lacquered handle with rustproof seamless nickel plated brass ferrule. Overall length approximately 12 inches.

Available sizes: 1/4, 3/8, 1/2, 3/4, 1, 1-1/2



2195 Economy Black Bristle Fitch Brush

Economy easel brush. Fine grade, pure black bristle, sharp extra chiselled edge. Seamless aluminum ferrule with red lacquered handle. Ideal for schools or industry. Overall length approximately 12 inches.

Available sizes: 1/4, 3/8, 1/2, 5/8, 3/4, 1



2191 White Bristle Cutter Brush

Finest quality, truly professional tool for sign painters. Finest elastic French white bristle chiselled to a sharp edge. nickel plated ferrule, flat natural polished handle.

Available sizes: 1, 1-1/2, 2



213 Good Industrial Quality Rollers

Good industrial quality 3/8 inch nap roller cover. Phenolic core resists solvents so cover can be re-used many times. Use on smooth to medium rough surfaces.

Available lengths: 3, 4, 7, 9, 18 inches



215 Double Thick Core Roller Cover

Better quality thick, phenolic core 3/4 or 3/8 nap roller cover. Use 3/4 nap for rougher surfaces, 3/8 for smooth. Good for painting chain link fences or rough ceilings. Solvent resistant core. Use 200 or 209 series wire frames.

Available lengths: 3, 4, 7, 9 inches



298 Economical Roller Cover 2 Pack

Economical 3/8 inch nap roller cover for one time jobs. Can be used as replacement for set number 299



217 Black Foam Roller Cover

1/4 inch nap roller are for applications of enamel, latex stain, oil paints and varnish, but not for shellac or lacquer. Foam leaves no brush marks or loose bristles. Use on smooth surfaces

Available lengths: 3, 4, 9



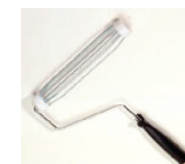
299 Good Quality, Re-usable Roller Kit

Good quality, re-usable roller kit. Includes plastic tray with 3/8 nap roller cover and frame



210 Metal Tray and 214 Plastic Tray Liner

9 inch metal tray, 2-quart capacity. Ladder lock legs included. Optional number 214-9 inch tray liner, fits nicely into the 210 metal tray. Saves clean up time. Plastic Liner sold separately.



200 Four-wire Roller Frame

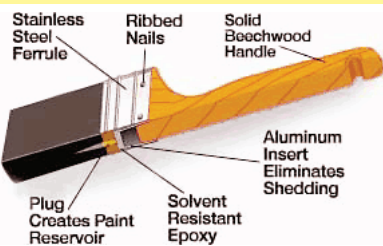
Four-wire cage-style roller frame. Plated 1/4 inch rods securely hold roller. Handle is internally threaded.

Available sizes: 3, 4, 7, 9



Bestt Liebco® Paint Brushes, Rollers and Accessories

Consumer Nylon/Polyester Brushes



Bestt Liebco offers a full line of professional and consumer brushes for any job. The cut-away illustrations above shows some of the quality features of the professional brushes.

Angular Sash Brush

Just Like A Pro™	2595™	House Trim™
Filament: White and Sable Blend Ferrule: Gold Handle: Woodtone Polyfoam long Sash Style	Filament: White and Sable Blend Ferrule: Nickered Steel Handle: Brown Plastic, Long Sash Style	Filament: White and Sable Blend Ferrule: Gold Handle: Brown Plastic, Long Sash Style
Available sizes: 1-1/2, 2, 2-1/2, 3	Available sizes: 1-1/2, 2	Available sizes: 2"

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Wall and Ceiling Trim™	Interior / Exterior™
Filament: White and Gold Blend Ferrule: Gold Handle: Brown Plastic, Long Sash Style	Filament: White and Gold Blend Ferrule: Gold Handle: Almond Plastic, Short Sash Style
Available sizes: 1-1/2	Available sizes: 1-1/2, 2, 2-1/2

VARNISH BRUSH

Just like a Pro™	Wall and Ceiling™
Filament: White and Gold Blend Ferrule: Gold Handle: Woodtone Polyfoam, Beavertail Style	Filament: White and Gold Blend Ferrule: Gold Handle: Brown Plastic, Beaver-tail Style
Available sizes: 1-1/2, 2, 2-1/2, 3, 4	Available sizes: 1-1/2, 2, 3

WALL BRUSH

House Paint™
Filament: White and Sable Blend Ferrule: Gold Handle: Brown Polyfoam, Beavertail Style
Available sizes: 2-1/2, 3, 4

FLAT SASH

Just Like a Pro™
Filament: White and Sable Blend Ferrule: Gold Handle: Woodtone Polyfoam, Long Sash Style
Available size: 2, 2-1/2, 3

2588™	Interior / Exterior™
Filament: White and Sable Blend Ferrule: Nickered Steel Handle: Black Plastic, Beaver-tail Style	Filament: White and Gold Blend Ferrule: Gold Handle: Almond Plastic, Kaiser Style
Available sizes: 1, 1-1/2, 2, 2-1/2, 3, 4	Available sizes: 1-1/2, 2, 2-1/2, 3, 4

PRO CHINEX® Brushes

Developed by DuPont, Chinex is a solid, round, tapered filament which delivers superior performance with all paints. Chinex brushes "load" in less time, hold and release more paint, provide smoother finishes, and clean faster and more thoroughly than other synthetics. Like natural bristles, it continues to "flag" as it wears, thus providing the painter with a high performing tool for a longer period of time with all paints.

Chinex Angular	Chinex Flat	Chinex Square
Filament: White Chinex Bristle Ferrule: Stainless Steel Handle: Plain Sanded Wood, Long Sash	Filament: White Chinex Bristle Ferrule: Stainless Steel Handle: Plain Sanded Wood, Long Sash	Filament: White Chinex Bristle Ferrule: Square Edge, Stainless Steel Handle: Plain Sanded Wood, Long Sash
Available sizes: 2, 2-1/2, 3	Available sizes: 2, 2-1/2, 3	Available sizes: 3, 4

Bestt Liebco® Paint Brushes, Rollers and Accessories



Consumer China Bristle Brushes

A broad range is available to satisfy the price point and quality-conscious. These brushes are recommended for applying oil based paints, varnishes, stains, and enamels.

ANGULAR SASH

			
Just Like a Pro™	Angular™	Interior / Exterior™	Painter's Special®
Bristle: Black China Bristle Ferrule: Gold Handle: Woodtone Polyfoam, Long Sash Style	Bristle: Black China Bristle Ferrule: Nickeled Steel Handle: Brown Plastic, Long Sash Style	Bristle: Brown China Bristle Ferrule: Gold Handle: Almond Plastic, Short Sash Style	Bristle: Gray China Bristle Ferrule: Gold Handle: Black Plastic, Long Sash Style
Available sizes: 1-1/2, 2, 2-1/2, 3	Available sizes: 1, 1-1/2, 2	Available sizes: 1-1/2, 2, 2-1/2	Available sizes: 1-1/2

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VARNISH BRUSH

			
Just Like a Pro™	Gold Flo™	Quaker™	Interior / Exterior™
Bristle: Black China Bristle Ferrule: Gold Handle: Woodtone Polyfoam, Beavertail Style	Bristle: Brown China Bristle Ferrule: Nickeled Steel Handle: Plain Polyfoam, Peg Style	Bristle: Black China Bristle Ferrule: Nickeled Steel Handle: Brown Plastic, Beaver-tail Style	Bristle: Brown China Bristle Ferrule: Gold Handle: Almond Plastic, Kaiser Style
Available size: 1-1/2, 2, 2-1/2, 3, 4	Available sizes: 1, 1-1/2, 2, 2-1/2, 3	Available Sizes: 1, 1-1/2, 2, 2-1/2, 3, 4	Available sizes: 1, 1-1/2, 2, 2-1/2, 3, 4

			
Clover™	Mutual™	Pyramid™	Painter's Special™
Bristle: Black China Bristle Ferrule: Nickeled Steel Handle: Black Plastic, Beaver-tail Style	Bristle: Black China Bristle Ferrule: Nickeled Steel Handle: Almond Plastic, Short Sash Style	Bristle: Black China Bristle Ferrule: Steel Handle: Colored Plastic, Flat Beavertail Style	Bristle: Gray China Bristle Ferrule: Gold Handle: Black Plastic, Beaver-tail Style
Available sizes: 1, 1-1/2, 2, 2-1/2, 3, 4	Available sizes: 1, 1-1/2, 2, 2-1/2, 3	Available Style: 1/2, 1, 1-1/2, 2, 2-1/2, 3	Available Sizes: 2, 3, 4

			
First Mate™	815™	1504™	1412™ (CHIP)
Bristle: White China Bristle Ferrule: Nickeled Steel Handle: Blue Plastic, Beavertail Style	Bristle: White China Bristle Ferrule: Steel Handle: White Plastic, Kaiser Style	Bristle: White China Bristle Ferrule: Steel Handle: Plain Sanded Wood	Bristle: White China Bristle Ferrule: Steel Handle: Plain Sanded Wood
Available Sizes: 1, 1-1/2, 2, 2-1/2, 3, 4	Available sizes: 1, 1-1/2, 2, 2-1/2, 3, 4	Available sizes: 3, 4	Available sizes: 1/2, 1, 1-1/2, 2, 2-1/2, 3, 4



Bestt Liebco® Paint Brushes, Rollers and Accessories

Tru Pro® Pro Roller Covers

Smooth



Fabric: Woven, Shed- Resistant
Core: Multi-Ply, Phenolic
Use: All Paints and Enamels
Nap: 1/4"

Available sizes: 3", 4", 7",
9", 18"

Smooth to Semi-Smooth



Fabric: Woven, Shed-Resistant
Core: Multi-Ply, Phenolic
Use: All Paints and Enamels
Nap: 3/8"

Available sizes: 3", 4", 7",
9", 14", 18"

Semi-Smooth



Fabric: Knit
Core: Multi-Ply, Phenolic
Use: All Paints
Nap: 1/2"

Available sizes: 7", 9", 14",
18"

Rough



Fabric: Knit
Core: Multi-Ply, Phenolic
Use: All Paints
Nap: 3/4"

Available sizes: 4", 7", 9",
14", 18"

Extra Rough



Fabric: Knit
Core: Multi-Ply, Phenolic
Use: All Paints
Nap: 1-1/4"

Available sizes: 7", 9", 14",
18"

Master® Roller Covers

Smooth



Fabric: White, Woven, Shed
Resistant
Core: Multi-Ply, Phenolic
Use: All Paints and Enamels
Nap: 1/4"

Available sizes: 7", 9"

Smooth to Semi-Smooth



Fabric: White, Woven, Shed
Resistant
Core: Multi-Ply, Phenolic
Use: All Paints and Enamels
Nap: 3/8"

Available sizes: 7", 9"

Semi-Smooth



Fabric: Maize, Knit
Core: Multi-Ply, Phenolic
Use: All Paints
Nap: 3/8"

Available sizes: 7", 9"

Semi-Smooth



Fabric: Maize, Knit
Core: Multi-Ply, Phenolic
Use: All Paints
Nap: 1/2"

Available sizes: 7", 9", 18"

Rough



Fabric: Maize, Knit
Core: Multi-Ply, Phenolic
Use: All Paints
Nap: 3/4"

Available sizes: 7", 9", 18"

Extra-Rough



Fabric: Maize, Knit
Core: Multi-Ply, Phenolic
Use: All Paints
Nap: 1"

Available sizes: 9"

Extra Rough



Fabric: Maize, Knit
Core: Multi-Ply, Phenolic
Use: All Paints
Nap: 1-1/4"

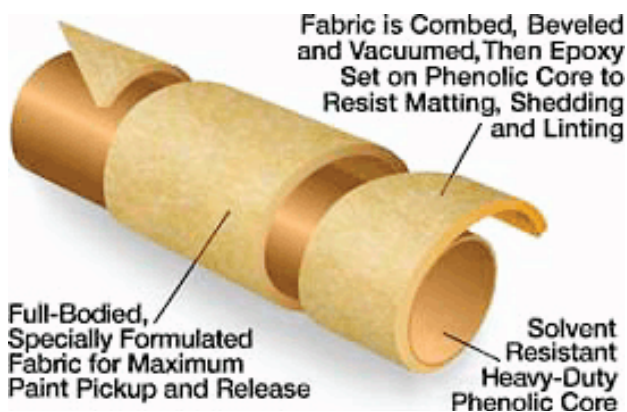
Available sizes: 7", 9", 18"

Extra Rough



Fabric: Maize, Knit
Core: Multi-Ply, Phenolic
Use: All Paints
Nap: 1-1/2"

Available sizes: 9"



Bestt Liebco® Paint Brushes, Rollers and Accessories

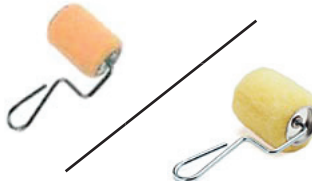
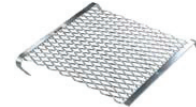


Foam Roller Covers

Smooth	Smooth to Semi-Smooth	Acoustical	Smooth-Twinz™
			
Foam: Fine Finishing Core: Phenolic Use: Gloss Oil Paints, Oil Enamels Nap: 3/16"	Foam: Seamless Core: Phenolic Use: Gloss Oil Paints, Oil Enamels Nap: 3/8"	Foam: Slit Type Core: Phenolic Use: All Paints on Rough Ceiling Nap: 3/4	Foam: Yellow, Spiral wound Core: Treated Paper Use: Oil Paints, Stains and urethanes Nap: 3/16"
Available sizes: 7", 9"	Available sizes: 7", 9"	Available sizes: 9"	Available sizes: 7", 9"

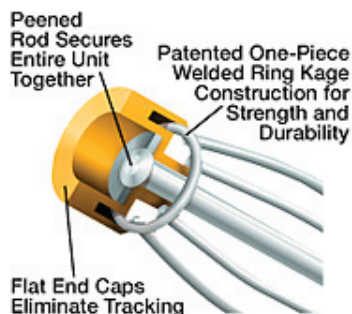
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Specialty Rollers and Accessories

4" Line Striper Complete  With unique easy-on, easy-off Kwik Grip® feature. Ideal to stripe parking lots and industrial areas for OSHA requirements. Handle is threaded for extension poles	3" Trimmer Complete  Unique easy-on, easy-off Kwik Grip® feature, Ideal for cabinets and small areas.	3" Little Joe™  3" plastic handle specialty roller.	3" Utility Roller URS/ URM Complete  With heavy wire handle . For use with all paints, 1/4" short Nap (URS) and 1/2" Nap (URM)
Foam Wedge Complete  Plastic Handle, yellow foam applicator with plated steel for use with ll paints on smooth surfaces. Ideal for painting corners.	Pro-1™ Tray & Liner Picture shown with liner  Fits covers up to 9" wide. Heavy- Duty Plated Steel, Ribbed bottom and ladder hook legs. Plastic Tray liner is vacuum formed. 1-gallon capacity.	551™ Tray & Liner Picture shown with liner  Fits covers up to 9" wide. Heavy-duty plated steel, ribbed bottom with ladder hook legs. Plastic tray liner is vacuum formed. 2-quart capacity.	400™ Tray & Liner Picture shown with liner  Fits covers up to 9" wide. Heavy gauge plated steel, ribbed bottom and ladder-hook legs. Plastic liner is vacuum formed to fit tray. 1-1/2 quart capacity.
Economy Tray  Made from recycled translucent plastic, 1-1/2 quart capacity.	Pro Plastic™ 2 & 3  Fits covers up to 9" wide. Molded plastic with traction bottom. 2 and 3 quart capacity.	Big Time™ Tray Holds up to 3-gallons of paint  For use with 18" covers. One piece molded plastic with pour spout. Wire handle and legs. Hooded.	BG-1™, BG-2™ & BG-3™ Paint Grids  Made of plated metal. 3 different sizes- 5-gal, 2-gal and 1-gallon cans



Bestt Liebco® Paint Brushes, Rollers and Accessories



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Toughee™ (T9KM)



Wires: 5-wire Ring Kage
Rod: 90 deg. Powder coated
Handle: Hardwood with threaded cast aluminum ferrule
Length: 14"
Sizes: 9" cover

Durabilt™



Wires: 5-wire Ring Kage
Rod: 90 deg. Powder coated
Handle: Hardwood with threaded insert and metal ferrule
Length: 14"
Sizes: 7", 9"

Big Mike™



Wires: 5-wire Ring Kage
Rod: 90 deg. powder coated
Handle: grained polypropylene threaded, with metal ferrule
Length: 14"
Sizes: 7", 9"

9KP-18™



Same specifications as Big Mike™ Kage but provides extra long 18" reach
Length: 18"
Sizes: 9"

9KX™



Same Specifications as Big Mike™ Kage but no flange on inboard end cap.
Length: 14"
Sizes: 9"

14KP™



Wires: 5-wire Ring kage
Rod: 90 degree powder coated
Handle: Grained polypropylene threaded with metal ferrule
Length: 14"
Size: 14"

Jumbo™ (J9KP)



Made for 2-1/4 diameter Covers
Wires: 5-Wire Kage
Rod: 90 degree powder coated
Handle: Grained polypropylene, threaded with metal ferrule
Length: 14"
Size: 9"

3FR™ / 4FR™



Wires: 5-Wire Ring Kage
Rod: Zinc Plated
Handle: Grained Polypropylene, threaded to accept pole
Length: 12"
Sizes: 3", 4"

5-Wire Ring Kage™



Wires: 5-Wire Ring Kage
Rod: 90 degree, Zinc Plated
Handle: Grained Polypropylene, Threaded
Length: 14"
Sizes: 7", 9"

Weekender™ Frame



Wires: 5-Wire Ring Kage
Rod: Zinc Plated
Handle: Polypropylene, Threaded
Length: 12"
Sizes: 7", 9"

Import Frame



Wires: Standard 4-Wire
Rod: Zinc Plated
Handle: Plastic Threaded
Length: 12"
Sizes: 4", 9"



SERIES 10 - 100% Unmixed Blue Squirrel Hair							
• The original Mack Sword Striping Brush. Hand crafted and shaped as it was many years ago.				• Extra attention given to quality control with respect to shape and cleaning			
• The very finest grade of blue squirrel				• New blue thread ferrule			
SIZES	000	00	0	1	2	3	4
Head width in inches	3/16"	7/32"	1/4"	5/16"	13/32"	1/2"	9/16"
Head width in mm	4.95mm	5.55mm	6.35mm	7.93mm	10.31mm	12.70mm	14.28mm
Regular length of hair : 2 inches or 5.08cm							

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SERIES 20 - SQUIRREL HAIR SWORD STRIPERS							
• Finest quality squirrel hair stripers made				• Lacquer and Enamel resistant			
• The sword style is best for all around work				• Excellent for auto body touch-up and pinstriping			
• Dark green thread ferrule							
SIZES	00	0	1	2	3	4	5
Head width in inches	7/32"	1/4"	5/16"	13/32"	1/2"	9/16"	5/8"
Head width in mm	5.55mm	6.35mm	7.93mm	10.31mm	12.70mm	14.28mm	15.8mm
Regular length of hair: 2 inches or 5.08cm							



The Mack-Lite	The Mack-Belly	The Fast-Lite	XCaliber Striper
The new striper with less belly. The shape is similar to the "Old Dominican," which was discontinued several years ago. Made with Kazan Squirrel hair and bound with a brass ferrule. Length out is graduated from 1-5/8" to 2"	Exactly like the "Mack-Lite," only more belly to the shape in order to carry more paint. Made with Kazan Squirrel Hair. Same sizes and length out as the "Mack-Lite."	Similar to the "Mack-Lite," only the hair length is longer, and it is made with blue squirrel hair. Length out is graduated from 1-7/8" to 2-1/4"	What makes XCaliber special is it's short hair length. Only 1-1/2" vs. the average 2" and 2-1/4". This shorter length allows greater control for intricate designs as well as long lines.
Available sizes: 00, 0, 1, & 2		Available sizes: 00, 0, 1, & 2	Available sizes: 0000, 000, 00, & 0



SERIES 250 - LONG HANDLE STRIPER	SERIES 101 THE MACH-ONE STRIPER	SERIES 1644 THE ULTIMATE LONG LINE STRIPER	SERIES 1645 STRIPER
- Black Lacquered Handles - Graduated hair lengths from 1=5/8 to 2" - Brown kazan squirrel hair - Seamless nickel ferrule - Great for design work / hard to reach area - Available sizes: 000, 00, 0 & 1	This striper is very similar to the former Grumbacher 1010 Striper. Mack brush calls it the "Mach-One" it has a wooden lacquered handle. Available sizes 00, 0, 1 & 2	- Wood Handle - Gold Ferrule - Pure Blue Squirrel Hair This brush is shaped like a Fast-Lite striper. This striper can be used with either lettering enamel or urethane paint. Available sizes: #0 & #00. It has hair length out of 2-1/4"	This brush is shaped like a Fast-Lite Striper, but with a hair mixture of squirrel and brown Taklon for more body and snap. Available in #00 with a hair length of 2-1/4. Also good for water base paint or any other paint that is more dense than lettering enamels.



**SERIES 70 - PINSTRIPING BRUSH
FOR WATERBASE & ACRYLIC**

Made just like the Mach-Lite Pinstriping brush, but with mixed hair to give the brush more body. Water-base paint has a higher density and we must mix taklon with pure squirrel for body and snap. A generous amount of pure squirrel ensures the brush can carry enough paint to make it a good striper. Available sizes: 00, 0, 1 & 2

SERIES 75 - TAKLON STRIPER

This is an synthetic striper with wood lacquered handle and brass ferrule. Available sizes : 00, 0, & 1

1.5

SERIES 30 - SQUIRREL HAIR DAGGER STRIPERS

- 100% Pure Unmixed Squirrel hair
- Stripers are lacquer and enamel resistant
- The dagger style is a valuable accessory for many purposes
- Dark Green Ferrule
- Finest quality squirrel hair

Sizes	00	0	1	2	3	4
Head width in inches	7/32"	1/4"	5/16"	13/32"	1/2"	9/16"
Head width in mm	5.55mm	6.35mm	7.93mm	10.31mm	12.70mm	14.28mm

SERIES 40 - SQUIRREL HAIR BROADLINERS

- 100% Pure Unmixed Squirrel Hair
- Finest quality squirrel hair
- Lacquer Resistant
- Excellent Touch-up Brush
- Great for wide line graphics
- Dark green thread ferrule

These are adapted for broad lines, the size depending upon the width of line desired. Also good for blacking off mouldings, chair and table legs, refrigerator bottoms, and other sectional areas. Makes a great fill in brush on a wide graphics (can replace a quill or stroke brush). Used on the edge, each size makes a slightly narrower line that when used flat. Universal for touch-up, for background work, and varnishing limited areas.

Sizes	00	0	1	2	3	4	5	6	7
Head width in inches	7/32"	1/4"	5/16"	13/32"	1/2"	9/16"	5/8"	3/4"	7/8"
Head width in mm	5.55mm	6.35mm	7.93mm	10.31 mm	12.70 mm	14.28 mm	15.8 mm	19.05 mm	22.22 mm

Regular Length of hair : 2 inches or 5.08cm

SERIES 179L - BROWN KAZAN SQUIRREL LETTERING QUILLS

This brown quill is handmade in France & Germany by highly specialized brush makers. This lettering quill is an essential tool in every sign painter's kit. The brown quill is best suited for smooth surfaces such as glass or automotive surfaces. Brown quills are slightly softer the grey quills.

SIZE	0	1	2	3	4	5	6	7	8	9	10
Length out in inches	11/16	3/4	7/8	5/16	1	1-1/16	1-1/8	1-3/16	1-1/4	1-5/16	1-3/8
SIZE	11	12	14	16	18	20	22	14	26		
Length out in inches	1-7/16	1-1/2	1-1/2	1-9/16	1-9/16	1-5/8	1-5/8	1-3/4	1-3/4		



SERIES 189L - GREY(TALAHOUTKY) LETTERING QUILL

The grey quill is also handmade in France & Germany and it is equally as important as the brown as an essential brush for the sign painter. The series 189 or 189L is a universal lettering brush. The grey hair has more snap than the brown. It is used for general commercial work such as signs, truck lettering, boats, etc. The grey hair is more durable than the brown, and this brush is suitable for lettering on most surfaces. The 189 has a plain wood handle and the 189L has a black lacquered handle.

SIZES	0	1	2	3	4	5	6	7	8
Length of hair in inches	11/16	3/4	7/8	15/16	1	1-1/16	1-1/8	1-3/16	1-1/4
SIZES	9	10	11	12	14	16	18	20	
Length of hair in inches	1-5/16	1-3/8	1-7/16	1-1/2	1-1/2	1-9/16	1-9/16	1-5/8	

1.5

SERIES 389 - MIXED SQUIRREL & OX HAIR QUILLS

This is a total new concept for quills. These are not the same quality (soft) as our pure squirrel quills (#179, #189). The sizing is completely different and should not be used to replace our regular pure hair quill. These brushes are simply an alternative to give you a less expensive quill; a quill that is shorter in length and one that is a little stiffer.

SIZES	4	6	8	10	12	16
Lengths	11/16"	15/16"	1-1/16"	1-3/16"	1-1/4"	1-7/16"
Graduated Hair Lengths						

SERIES 838/839 OUTLINERS & HIGHLIGHTERS

These Outliners are used for outlining letters, scroll work, and applicable sign work. The series 838/839 is suitable for most surfaces. It has a round ferrule and graduated hair lengths. The 838 will carry more paint than the 839. Series 839 is a blend of pure brown kasan squirrel hair, nickel ferrule with black handle and gold tips. Series 838 brushes are made of blue squirrel and black Sable-ox mixture, nickel ferrule and plain varnished handles.

SIZES	1	2	3	4	5	6
Hair Length	1-1/16	1-1/8	1-1/4	1-3/8	1-1/2	1-9/16

ROUND SABLE LETTERING & SHOWCARD BRUSH

Pure red sable hair has more spring and is more flexible than quills and outliners. After painting it returns easily to its initial shape. Red sable is more durable than squirrel. This lettering brush is shorter in hair length than Mack quills or outliners, therefore, you will have much more control. However, red sable is not as soft as squirrel and will not carry as much paint.

SIZE	2	4	6	8	10	12	14	16
Hair Length	21/32	3/4	7/8	1-5/16	1	1-1/8	1-3/16	1-1/4

SERIES RP-2 GILDERS SIZING BRUSH

This brush was designed for water gilding glass with loose leaf in reverse for signage, art, decoration and much more. The hair is 100% pure brown squirrel. The hair is wrapped with copper ferrule and attached to the handle with brass nails. The handle also has a hanging hole. The overall length is 7". The width of the brush is 1-1/2" and the hair length out is 1-1/4".



SERIES 1138 GILDER TIPS

Size: 3-1/2" x 2-1/4"
Made of single thick brown kasan squirrel hair



1.5

SERIES 1646 JAPAN BRUSH	RP-3 GILDERS GOLD SURPLUS REMOVAL BRUSH	SERIES 113 STENCIL BRUSH
Available Sizes: 1", 1-1/2", 2"	Available in 1 size only	Available Sizes: #2(1/4"), #4 (3/8"), #8 (1/2"), #12 (5/8")
The hair length in all three sizes is approximately the same - 1-1/4" out. The Japan brush is made with Black Goat Hair and plain lacquered handle. Japans are great for painting backgrounds, especially glass backgrounds. They are great for pushing paint out of the way without leaving lines or streaks. The Japan Brush is also used for sizing large letters and objects. After you have gilded you can use the Japan Brush to brush off the "tails". It will brush off without damaging the gold leaf. You can brush vertical, horizontal or diagonal and the gold will show the direction of the brushing, without damaging the surface.	Gilders Gold Surplus Removal Brush for "water gilding". This brush was inspired by a great little "old" brush used by a sign writer and gold leaf master out of Australia - John Jordan. This brush is used for the removal of precious metal leaf when water gilding glass in reverse for signage, art, decoration and much more. The handle is made from wood. The trim out is 3/4", and the wooden block is 2-1/8" x 4-3/4". The block has rounded ends and top with hand grooves in the sides. Use this brush after your back-up paint has completely dried. You may use a damp cloth (not dripping wet) and slightly moisten the surface, then brush gently over any surplus leaf in a pendulum action to remove surplus material	A stencil brush can be used for putting sizing on carved and depth blasted glass, because the bristles are rather stiff. They can also be used for wall ornamentation, stencils & faux finishes. It is also great spatter brush. The single thick tips are more popular than the double thick, since you can see through the single thick hair and you are less likely to err. Kazan Squirrel Hair tends to be a little stiffer and more full bodied the blue squirrel, but at this thickness there is not a lot of difference. The 2-1/4" hair length out is preferred.



"THE ULTIMATE" LONG LINE STRIPER GLAWSON/MACK	
SERIES 1644	SERIES 1645
This brush is shaped like a Fast-Lite Stripper. Available in sizes #0 & #00. Both sizes have a hair length out of 2-1/4". Wood handle, gold ferrule, Pure Blue Squirrel Hair. This stripper can be used with either lettering enamel or urethane paint. "They are great for long thin lines".	This brush is shaped like a Fast-Lite Stripper, but with a hair mixture of Squirrel and Brown Taklon for more body and snap. Available in #00 with hair length of 2-1/4". Also good for water base paint or any other paint that is more dense than lettering enamel.



WALL DOG BRUSH PRESERVING OILS

The ideal acid free product to protect and condition your sign, lettering, pinstriping & fine art brushes. Wall Dog brush preserving oil helps keep the brush soft, prevent paint build up in the heel of the brush, maintain the shape of the brush, and restore natural oil to the hair of the brush

CELLULOSE ACETATE

Cellulose acetate is produced from the plant substance cellulose, obtained from soft woods and other plants, notably cotton. Acetate is typically used in applications requiring optical clarity and (in sheet form) rigidity and high-impact resistance. Acetate is easily cut and shaped, and does not distort under normal temperatures. And, because acetate is highly insulative, it is often used as a covering for wire in the electrical industry. Other uses for Acetate film include page protection, packaging, graphic arts applications, and printing and photographic materials.

CLEAR ACETATE

SIZES	25" x 25'	25" x 50'	25" x 100'	50" x 25'	50" x 50'	50" x 100'
THICKNESSES	.003, .005, .0075 & .010					

MATTE ACETATE

SIZES	50" x 50'	50" x 100'	
THICKNESSES	.003 & .005		

POLYESTER / MYLAR®

Polyester, known commercially as Mylar®, is an optically clear thermoplastic used often as a laminating substrate for flexible packaging structures. Mylar® is easily machined, strong, resistant to both high and low temperatures, and printable. Mylar® also offers an excellent barrier to gas and water vapor, is puncture resistant, and highly flexible. Common applications include lidding and wrapping for the food industry, screen printing, point-of-purchase displays, book binding, and electrical insulation.

CLEAR MYLAR®

Sizes	24" x 50'	24" x 100'	27" x 10'	27" x 25'	40" x 10'	40" x 25'	40" x 50'	40" x 100'
Thicknesses	.0005, .001, .002, .003, .004, .005, .007, & .010							
Sizes	48" x 25'	48" x 50'	48" x 100'	50" x 25'	50" x 50'	50" x 100'	60" x 100'	
Thicknesses	.0005, .001, .002, .003, .004, .005, .007, & .010							

SILVER METALLIC MYLAR®

Sizes	24" x 100'	27" x 50'	27" x 100'	48" x 100'	54" x 50'	54" x 100'	
Thicknesses	.002, .003, .005, .007, & .010						

TRANSCOLOR - COLORED ACETATE SUBSTITUTE

Transcolor, is made from colored acetate substitute, and is typically used in applications requiring optical clarity and high-impact resistance. Transcolor is easily cut and shaped, and does not distort under normal temperatures. And, because acetate substitute is highly insulative, it is often used as a covering for wire in the electrical industry. Other uses include page protection, packaging, graphic arts applications, and printing and photographic materials.

Colors Available	Blue	Green	Orange	Red	Yellow
Thicknesses	.005"				
Sizes	25" x 12', 25" x 25', 25" x 50', 25" x 100'				

1.5



RDS Acuflow AcuDome Products

1.5



AcuDome Pro-Kit

Includes:	
AD-1050 (10) 50g AcuDome Cartridge	AD-50 (1) Scraper
AD-2050 (20) 50g Acudome Mixers	AD-55 (1) Timer
AD-2120 (5) 20g Pink Tips for Fine Work	AD-65 (10) Pairs of Protective Gloves
AD-2550 (1) 50g Manual Applicator	AD-70 (1) Pair of Protective Glasses
AD-30 (1) Bubble Remover	AD-73 (5) Purge Cups
AD-35 (3) 12"x12" Glass Sheets	AD-75 Instruction Sheet
AD-40 (1) Can of Repositionable Adhesive	AD-80 MSDS Sheets



50g AcuDome Manual Applicator



50g AcuDome Cartridges



Bubble Remover



Timer



Repositionable Adhesive



Repair Tool



20g Pink Fine Tips



50g AcuDome Mixers



Protective Gloves



Lite Cure Box



12" x 12" Glass Sheets



Purge Cups

PAASCHE® AIRBRUSHES

Paasche® provides the largest selection of airbrush models, industrial sprayers and support equipment worldwide. Using only the highest quality materials in combination with the tightest quality control, Paasche products are unequalled by any other airbrush manufacturer in the world. Each unit is carefully assembled, individually inspected and finally tested in actual use by highly skilled craftsman to meet Paasche's high standard of excellent performance.



About Airbrushes

DOUBLE ACTION AIRBRUSH

Refers to the method action required to control spray pattern. Pressing down on the button activates the amount of air flow and pulling back determines the amount of fluid released. This allows the user to change the width of line, color, and the opaqueness of color with one hand. Double Action models take more practice to use but are better for free hand detail work.

SINGLE ACTION AIRBRUSH

Unlike the double action where air and fluid controls are combined, these same controls are independent of each other with the single action airbrush. While one hand is releasing a pre-set amount of air by pressing down on the button, the other hand adjusts a separate control for color feed. Single action models are quick to learn and easy to use. They tend to be best for spraying solid coats, uniform lines or dots and stencil work. They clog less easily than the double action internal mix models and can spray slightly heavier paints.

INTERNAL MIX

Method in which air and paint are mixed inside the airbrush producing a fine spray.

ETERNAL MIX

Method in which air and paint are mixed outside the airbrush producing a larger spray

GRAVITY FEED

Gravity feed models include all airbrushes that have material containers on top of the airbrush body.

SIPHON BOTTOM FEED

Siphon feed models have material containers with connections at the bottom of the airbrush body.

SIPHON SIDE FEED

Siphon side feed models have material containers with connections at the left and right sides of the airbrush body.

AIRBRUSH - DOUBLE ACTION - SIPHON FEED - INTERNAL MIX

No other airbrush can offer more versatility. This model can achieve spray patterns from line detail to broader coverage handling light, medium and heavy fluids. The VL & VLS models come in three sizes -1, 3 and 5, with the purchase of different size aircaps, tips and needles. The VLSTPRO model comes in 2 sizes - 3 and 5. Fluids are siphon fed from color cup or bottle assembly. Suitable for both left or right-handed users. The VL has a tapered socket for securing bottle or cup. The VLS & VLSTPRO have threaded swivel nut for extra secure attachment to bottle assemblies.

The VLSTPRO is a significant upgrade to the classic VL with features that airbrushers of all levels will appreciate, such as the rounded trigger button that rolls under your finger for greater comfort. The paint picker aircap lets you clean accumulations of paint off the tip and needle with a quick pinch of the fingers. The trigger guide has been lengthened for increased paint flow at maximum draw, and the cut-away handle allows quick pull-back to blow out clogs. A threaded bottle connector fitting locks onto the bottle stem for worry-free one handed painting - the bottle will not fall off once fastened properly. Available as a #3 or #5. Optional color cup and bottle assemblies are available for larger volumes of paint.



VL#1, 3L or 5L Airbrush less Accessories
VLS#1L, 3L or 5L Airbrush less Accessories
VLSTPRO#3 or 5L Airbrush less Accessories

Size # 1 Light fluids-spray pattern 1/64" - 1" (.55mm tip opening)

Size # 3 Medium fluids-spray pattern 1/32" - 1-1/4" (.73mm tip opening)

Size # 5 Heavy fluids-spray pattern 1-16" - 1-1/2" (1.07mm tip opening)

Recommended air pressure .5 to 1 CFM @ 20 to 45 lbs. depending on tip size and fluid being sprayed. Clean, dry air is essential for best results

Shipping Weight: .7 oz.

VL#1, VL#3 or VL#5 Airbrush Complete
VLS#1, VLS#3 or VLS#5 Airbrush Complete
VLSTPRO#3 or VLSTPRO#5 Airbrush Complete

Components:

VL, VLS, or VLSTPRO Double Action Airbrush, VL-1/4-oz metal color cup(7cc), VL-189 Head Protecting Cap, V-62 Wrench, A-34 Hanger, TTALB"22 Airbrush Lessons" Booklet, Parts List and Storage Case

Shipping Weight: 12 oz.



1.5



VL-SET	VLS-SET
VL-SET Components: VL#3 Double-Action Airbrush VL-189 Head Protecting Cap VL-1/4-OZ. Metal Color Cup (7cc) VL-1-OZ. Bottle Assembly (29cc) VL-3-OZ. Bottle Assembly (89cc) H-194 1oz. Bottle, Cap/Gasket (29cc) VLT-1 and VLT-5 Tips VLN-1 and VLN-5 Needles VLA-1 and VLA-5 Aircaps A-34 Hanger and V-62 Wrench A-1/8"-6' Air Hose TTALB "22 Airbrush Lessons" Booklet Shipping Weight: 1 lb 8oz. (680g)	VLS-SET Components VLS#3 Double-Action Airbrush VL-1/4-OZ. Metal Color Cup (7cc) VLS-1-OZ. Bottle Assembly (29cc) VLS-3-OZ. Bottle Assembly (89cc) H-194 1oz. Bottle, Cap/Gasket (29cc) VLT-1 and VLT-5 Tips VLA-1 and VLA-5 Aircaps VLN-1 and VLN-5 Needles A-34 Hanger and V-62 Wrench A-1/8"-6' Air Hose VL-189 Head Protecting Cap TTALB "22 Airbrush Lessons" Booklet Shipping Weight: 1 lb. 8oz. (680g)



VL202-SET Airbrush Set w/ Metal Handle	VLS202-SET Airbrush Set w/ Metal Handle
VL202 Components: MVL#3 Double-Action Airbrush VL-189 Head Protecting Cap VL-1/4-OZ. Metal Color Cap (7cc) VL-1-OZ. Bottle Assembly (29cc) VL-3-OZ. Bottle Assembly (89cc) H-194 1oz. Bottle, Cap/Gasket (29cc) VLT-1 and VLT-5 Tip VLN-1 and VLN-5 Needle VLA-1 and VLA-5 Aircaps A-34 Hanger and V-62 Wrench A-1/8"-6'; Air Hose TTALB "22 Airbrush Lessons" Booklet Shipping Weight" 1 lb. 8oz. (680g)	VLS202 Components MVLS#3 Double-Action Airbrush VL-1/4-OZ. Metal Color Cup (7cc) VLS-1-OZ. Bottle Assembly (29cc) VLS-3-OZ. Bottle Assembly (89cc) H-194 1oz. Bottle, Cap/Gasket (29cc) VLT-1 and VLT-5 Tips VLA-1 and VLA-5 Aircaps VLN-1 and VLN-5 Needles A-34 Hanger and V-62 Wrench A-1/8"-6' Air Hose VL-189 Head Protecting Cap TTALB "22 Airbrush Lessons" Booklet Shippikng Weight: 1 lb. 8oz. (680g)



VL-WOOD Airbrush Set	VLSTPRO-WOOD Airbrush Set
VL-WOOD Components: VL#3 Double-Action Airbrush VL-1-OZ. Color Bottle (29cc) (2 pcs.) A-1/8"-6' Air Hose w/AC-20 & AC-1/8" VLT-1 and VLT-5 Tips VLN-1 and VLN-5 Needles VLA-1 and VLA-5 Aircaps A-34 Hanger and V-62 Wrench VL-1/4-OZ. 1/4oz./7cc Metal Color Cup TTALB "22 Airbrush Lessons" Booklet Parts List Shipping Weight: 2 lb 6oz. (1.08kg)	VLSTPRO-WOOD Components VLSTPRO#3 Double-Action Airbrush with Paint Picker Aircap VL-1-OZ. Color Bottle (29cc) (2 pcs) A-1/8"-6' Air Hose w/AC-20 & AC-1/8" VLN-5 and VLT-5 Needle and Tip (will not work with size # 1 Needle and Tip) A-34 Hanger V-62 Wrench VL-1/4-OZ 1/4oz./7cc Metal Color Cup TTALB "22 Airbrush Lessons" Booklet Parts List Shipping Weight: 2 lb 6oz. (1.08kg)



METAL HANDLE - AIRBRUSH SETS

The MLV-Airbrush sets are available with a durable, highly polished, chrome plated brass handle. They are packaged in an attractive vinyl case with a long-lasting hinge and protective foam insert. Available in following styles:

MVL#3 Airbrush Set	MVLS#3 Airbrush Set
MVL Components: MVL#3 Double-Action Airbrush HVL-202 Metal Handle A-1/8"-6' Air Hose w/Couplings VLP-3-OZ. (2 pcs) oz./88cc Color Bottle Assembly V-62 Wrench A-34 Hanger Parts List Shipping Weight: 1 lb 2oz. (510g)	MVLS Components MVLS#3 Double-Action Airbrush HVL-202 Metal Handle A-1/8"-6' Air Hose w/Couplings VLPS-3-OZ. (2 pcs) 3oz./88cc Color Bottle Assembly V-62 Wrench A-34 Hanger Parts List Shipping Weights: 1 lb 2oz. (510g)



1.5

AP-VL PAINT KIT

Suitable for virtually any airbrush work including fine detail. Perfect for the Artist, Craftsman, Decorator and Hobbyist. This kit includes: (3) Paasche Extreme Airbrush Acrylic Paints and (1) Extreme Airbrush Cleaner.

AP-VL Components:	
VL#3 Professional Double Action Airbrush VL-1-OZ. Color Bottle Assembly APC-1 Extreme Airbrush Cleaner 1oz. Bottle (1 only) V-62 Wrench Parts List	A-1/8"-4' Air Hose 21VL Paint Bottle Cover Assembly (3 each) AP - Acrylic Extreme Acrylic Paints in 2oz. Bottles (3 each) Shipping Weights: 1 lb 4oz. (567g)



2P-VL Traveler's Kit

This airbrush spray kit is ideal for hobby or individual work where a compressor or electricity is not available. The pressure tank contains a gas that will not harm the earth's atmosphere. Read pressure tank label before using this item.

2P-VL Components:	
VL#3 Double-Action Airbrush VL-1-OZ. Color Bottle Assembly (29cc) VL-3-OZ. Color Bottle Assembly (89cc) VL-1/4-OZ. Metal Color Cup (7cc) A-1/8"-4' Air Hose	3B Tank Valve V-62 Wrench No. 2 Pressure Tank TTABL "22 Airbrush Lessons" Booklet Parts Lit Shipping Weight: 2 lb 1.3oz. (.966kg)



2000VL Hobby Kit

Give added realism to your models and craft projects with a little paint and an airbrush. Paasche introduces the new hobby kit for the amateur or professional hobbyist.

2000VL Components:	
VL#3 Double-Action Airbrush VL-1/2-OZ. (2 pcs) Color Bottle Assembly (29cc) HP-1/8"-6' Air Hose w/ Couplings A-34 Hanger	TTABL "22 Airbrush Lessons" Booklet Parts List Shipping Weight: 1 lb 8oz. (680g)





No. 54-1 or No. 54-5 AIRPAINTING UNIT

This is the only practical production airbrush model available. The VLS airbrush, fed by a quart container, is perfect for the hobbyist and manufacturer coating or touching up a wide variety of products. Select either VLS#1, VLS#3, or VLS#5 depending upon viscosity of fluid and size pattern desired.

No. 54 Components

VLS#1, #3, or #5 Double Action Airbrush
54VL-1 1-qt. Bottle assembly 32 oz.
A-1/8"-6' Air Hose w/ Couplings
HL-VLS-20-6' Fluid Hose with Couplings
Shipping Weight: 3 lbs. 8 oz.

HF-33 Coupler
Parts List
Optional: R-75AR Regulator and Filter
w/Guage

1.5

VL-CARD AIRBRUSH SET

Paasche's VL-CARD Set is an easy and fun way to get started airbrushing with many essential airbrush items - for the beginning hobbyist.

VL-CARD Components

VL#3 Double-Action Airbrush
VL-1-oz Color Bottle Assembly (29cc)
3B Pressure Tank Valve

HP-1/8"-6' Air Hose w/ Couplings
V-62 Wrench
Shipping Weight: 11 oz. (312g)



MILLENNIUM SIPHON FEED Airbrush

Features a thin barrel grip and a cut-away red anodized handle that allows quick pullback of needle mechanism to blow out clogs. Round trigger button rolls under your finger for greater comfort and better control. Optional Color Cup and Bottle Assemblies are available. The same pressure and volume air requirements as the VL Airbrush.

SIZE#3 Medium Fluids-Spray Pattern 1/32" - 1-1/4" (.73mm Tip opening)

Recommended Air Pressure .5 to 1 CFM @ 20 to 45 lbs. depending on tip size and fluid being sprayed. Clean, dry air is essential for best results.

Shipping Weight: 5.4 Oz. (153g)

MIL#3 SIPHON FEED AIRBRUSH COMPLETE

MIL#3 Components

MIL#3 Double-Action Airbrush
MIL-8 Head Protecting Cap
VL-1/4-OZ Metal Color Cup (7cc)
V-62 Wrench
Shipping Weight: 1 lb. 5 oz. (595g)

A-34 Hanger
TTALB "22 Airbrush Lessons" Booklet
Parts List
Storage Case



MIL-SET MILLENNIUM SIPHON FEED AIRBRUSH SET

MIL-SET Components

MIL#3 Double-Action Airbrush
MIL-8 Head Protecting Cap
VL-1/4-OZ Metal Color Cup (7cc)
VL-1/2-OZ Color Bottle Assembly (14.5cc)
Shipping Weight: 1 lb. 5 oz. (595g)

A-34 Hanger
V-62 Wrench
A-1/8" - 6' Air Hose
TTALB "22 Airbrush Lessons" Booklet



MIL-WOOD SIPHON FEED AIRBRUSH SET

MIL-WOOD Components

MIL#3 Double-Action Airbrush
VL-1-OZ Color Bottle Assembly (29cc) (2 pcs)
A-1/8" - 6' Air Hose w/AC-20 & AC-1/8"
VLT-1 and VLT-5 Tips
VLN-1 and VLN-5 Needles
VLA-1 and VLA-5 Aircaps

A-34 Hanger
V-62 Wrench
VL-1/4-OZ Metal Color Cup (7cc)
TTALB "22 Airbrush Lessons" Booklet
Parts List
Shipping Weight: 2 lbs 6 oz (1.08kg)



VSR90#1 or #2 GRAVITY FEED AIRBRUSH SET

The unique 2 in 1 design allows for quick color change by including 2 different size color cups. Cups attach to top of airbrush assembly and swivel left or right for an unobstructed view. Suited for both left or right handed users. Extra needle, aircap and tip are included to convert airbrush for heavier fluids and broader coverage. Great for graphics, illustration or nail airbrushing.

VSR90#1 Spray pattern-hairline - 1", Light fluid (.25mm Tip opening)
VSR90#2 Spray pattern 1/32"-1", Medium Fluid (.66mm opening)
Recommended Air Pressure .5 to 1 CFM @ 15 to 35 lbs. Clean, dry air is essential for best results

VSR90#1 or #2 Components

VSR90#1 or #2 Double-Action Gravity Feed Airbrush	VN-2,VT-2 and VA-2 Needle, Tip and Aircap to convert to size #2
VSR-1 Small Color Cup (3.5cc)	V-189 Head Protecting Cap
VSR-2 Medium Color Cup (5.25cc)	Parts List and Storage Case
A-34 Hanger and V-62 Wrench	Shipping Weight: 14 oz (397g)



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VJR#1 or VJR#2 GRAVITY FEED AIRBRUSH COMPLETE

For the professional who needs a wider range of patterns the offered by the AB. Perfect for the project that requires detailing, tinting and shading. The "VJR" with its color cup built into the top of the body, promotes quick and easy color changes and is suited for both left and right handed users.

Size#1 Light Fluids-spray pattern- hairline - 1" (.25mm opening)
Size#2 Medium Fluids- spray pattern 1/32" - 1" (.66mm Tip opening)
Recommended air pressure .5 CFM @ 15 to 35 lbs. Clean, dry air is essential for best results.

VJR Components

VJR#1 or #2 with built-in 1/64 oz Cup (.5cc)	V-189 Head Protecting Cap
A-34 Hanger	Parts List
V-62 Wrench	Storage Case
TTALB "22 Airbrush Lessons: Booklet	Shipping Weight: 10 oz (283g)



V#1 or V#2 RIGHT HANDED AIRBRUSH COMPLETE VV#1 or VV#2 LEFT HANDED AIRBRUSH COMPLETE

The "V" series siphon feed offers the ultimate in versatility and control for detail, tinting and shading. Interchangeable metal cup 1/8 oz. (3.5cc) for small volumes of paint comes with the airbrush. Optional Color Cup and Bottle Assemblies are available for larger volumes of paint.

V#1 or VV#1 Spray pattern Hairline - 1", Light fluid (.25mm Tip opening)
V#2 or VV#2 Spray pattern 1/32" - 1", Medium Fluid (.66mm Tip opening)
Recommended air pressure .5 CFM @ 15 to 35 lbs. Clean, dry air is essential for best results.

V or VV Components

V or VV Double-Action Right or Left Handed Airbrush	TTALB "22 Airbrush Lessons" Booklet
V-1/8-OZ Metal Color Cup (3.5cc)	Parts List
A-34 Hanger	Storage Case
V-62 Wrench	Shipping Weight: 10 oz. (283g)
V-189 Head Protector Cap	



V-SET RIGHT HANDED AIRBRUSH SET VV-SET LEFT HANDED AIRBRUSH SET

V OR VV-SET Components

V#1 or VV#1 Double-Action Airbrush	V-189 Head Protector Cap
A-1/8" - 6' Air Hose w/ Couplings	A-34 Hanger
V-1/4-OZ Metal Color Cup (7cc)	V-62 Wrench
VFA-1-OZ 1oz. Bottle Assembly (29cc)	VN-2, VT-2 and VA-2 Needle, Tip nad Aircap
H-194 1 oz Bottle, Cap./Gasket (29cc)	TTALB "22 Airbrush Lessons" Booklet
Shipping Weight: 1 lb 4 oz. (567g)	



**AB-RIGHT HANDED OR ABL-LEFT HANDED PAASCHE® TURBINE
OSCILLATING NEEDLE FEED AIRBRUSH**

The AB or ABL is designed for the experienced Fine Artist - where the project demands only the absolute finest detail. The airbrush can achieve spray patterns from the finest hairline to a gradually widening pattern of 3/4"

AB or ABL Spray pattern- fine hairline to 3/4", Light fluids

Recommended air pressure .5 CFM @ 20 to 35 lbs. Clean, dry air is essential for best results/

AB or ABL Components

AB or ABL Double-Action Turbine Airbrush

A-34 Hanger

A-64 Screwdriver

A-117 Tweezers



Parts List

Storage Case

Shipping Weight: 16 oz (454g)



SINGLE ACTION - SIPHON FEED - EXTERNAL MIX AIRBRUSHES

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The world's most popular airbrush - recommended for all skill levels. Sturdy and flexible, the H & HS airbrushes are dependable and adaptable for practically any hobby or artistic use. The model H has a tapered socket for securing Bottle or Cup and the model HS has a threaded swivel nut for extra secure attachment to bottle assemblies. These airbrushes come in three sizes -1, 3 or 5, with the purchase of different size Aircap and Color Adjusting Part any size originally purchased can be converted to the other sizes or buy a Set which includes all three Aircaps and Color Adjusting Parts, Suitable for both left and right handed users. Optional Color Cup and Bottle Assemblies are available.



H#1L, 3L or 5L AIRBRUSH

HS#1L, 3L or 5L AIRBRUSH

Size #1 Light Fluid Spray Pattern 1/32" - 1" (.45mm Tip opening)

Size #3 Medium Fluid Spray Pattern 3/64" - 1-1/4" (.63mm Tip opening)

Size #5 Heavy Fluid Spray Pattern 1/16" - 1-1/2" (1.07mm Tip opening)

Recommended air pressure .5 to 1 CFM @ 20 to 45 lbs, depending on tip size and fluid being sprayed.

Clean, dry air is essential for best results

Shipping Weight: .7 oz (198g)

**H#1, H#3 or H#5 AIRBRUSH COMPLETE
HS#1, HS#3 or HS#5 AIRBRUSH COMPLETE**

Components

H or HS Single Action Airbrush
H-1/4-OZ Metal Color Cup (7cc)
F-186 Wrench
V-62 Wrench
Shipping Weight: 12 oz. (340g)

A-34 Hanger
TTALB "22 Airbrush Lessons" Booklet
Parts List
Storage Case



H-SET AIRBRUSH SET

Components

H#1 Single-Action Airbrush
A-1/8-6' Air Hose
H-1/4-OZ Metal Color Cup (7cc)
H-1-OZ Color Bottle Assembly (29cc)
H-3-OZ Color Bottle Assembly (89cc)
H-194 1 oz. Bottle Cap/Gasket (29cc)
H-3 & 5 Color Adjusting Parts
HC-3 & 5 Aircaps
F-186 Wrench
V-62 Wrench
A-34 Hanger
TTALB "22 Airbrush Lessons" Booklet
Parts List



Shipping Weight: 1 lb. 8 oz. (680g)

HS-SET AIRBRUSH SET

Components

HS#1 Single-Action Airbrush
A-1/8-6' Air Hose
H-1/4-OZ Metal Color Cup (7cc)
HS-1-OZ Color Bottle Assembly (29cc)
HS-3-OZ Color Bottle Assembly (89cc)
H-194 1 oz. Bottle, Cap/Gasket (29cc)
HS-3 & 5 Color Adjusting Parts
HC-3 & 5 Aircaps
F-186 Wrench
V-62 Wrench
A-34 Hanger
TTALB "22 Airbrush Lessons" Booklet
Parts List



Shipping Weight: 1 lb 8 oz (680g)



1.5



H202-SET AIRBRUSH SET	HS202-SET AIRBRUSH SET
Components MH#1 Single-Action Airbrush A-1/8"-6' Air Hose H-1/4-OZ Metal Color Cup (7cc) H-1-OZ Color Bottle Assembly (29cc) H-3-OZ Color Bottle Assembly (89cc) H-194 1 oz Bottle, Cap/Gasket (29cc) H-3 & 5 Color Adjusting Parts HC-3 & 5 Aircaps F-186 Wrench V-62 Wrench A-34 Hanger TTALB "22 Airbrush Lessons" Booklet Parts List Shipping Weight: 1 lb 8 oz. (680g)	Components MHS#1 Single-Action Airbrush A-1/8"-6' Air Hose H-1/4-OZ Metal Color Cup (7cc) HS-1-OZ Color Bottle Assembly (29cc) HS-3-OZ Color Bottle Assembly (89cc) H-194 1 oz Bottle, Cap/Gasket (29cc) HS-3 & 5 Color Adjusting Parts HC-3 & 5 Aircaps F-186 Wrench V-62 Wrench A-34 Hanger TTALB "22 Airbrush Lessons" Booklet Parts List Shipping Weight: 1 lb 8 oz (680g)

MH#3 AIRBRUSH SET	MHS#3 AIRBRUSH SET
Components MH#3 Single-Action Airbrush HVL-202 Metal Handle A-1/8"-6' Air Hose W/Couplings HP-3-OZ (2 pcs) 3 oz./89cc Color Bottle Assembly V-62 Wrench A-34 Hanger F-186 Wrench Parts List Shipping Weight 1 lb. 2 oz. (510g)	Components MHS#3 Single-Action Airbrush HVL-202 Metal Handle A-1/8"-6' Air Hose W/Couplings HPS-3-OZ (2 pcs) 3 oz/89cc Color Bottle Assembly V-62 Wrench F-186 Wrench A-34 Hanger Parts List Shipping Weight 1 lb 2 oz. (510g)

AP-H PAINT KIT	2P-H TRAVELER'S KIT
Components H#3 Single-Action Airbrush A-1/8"-4' Air Hose w/Couplings H-1-OZ Color Bottle Assembly 21H Paint Bottle Cover Assembly APC-1 Extreme Airbrush Cleaner 1 oz V-62 Wrench F-186 Wrench AP- Acrylic Paint Extreme Acrylic Paints in 2 oz Bottles (3 each) Parts List Shipping Weight 1 lb. 4 oz (567g)	Components H#3 Single-Action Airbrush H-1-OZ Color Bottle Assembly (29cc) H-3-OZ Color Bottle Assembly (89cc) H-1/4-OZ Metal Color Cup (7cc) 3B Tank Valve V-62 Wrench F-186 Wrench No. 2 Pressure Tank TTALB "22 Airbrush Lessons" Booklet Parts List Shipping Weight 2 lbs. 1.3 oz. (.966kg)



2000H HOBBY KIT	H-CARD AIRBRUSH SET
Components H#3 Single-Action Airbrush H-1/2-OZ Color Bottle Assembly (29cc) HP-1/8"-6' Air Hose w/Couplings A-34 Hanger V-62 Wrench TTALB "22 Airbrush Lessons" Booklet Parts List Shipping Weight: 1 lb. 8 oz (680g)	Components H#3 Single-Action Airbrush H-1-OZ Color Bottle Assembly (29cc) 3B Pressure Tank Valve HP-1/8"-6' Air Hose w/Couplings V-62 Wrench Shipping Weight: 11 oz (312g)





SA2000 SIPHON FEED AIRBRUSH

Simple in design and operation, this airbrush is ideal for the hobbyists and crafters that are just learning to use an airbrush. The SA2000 comes in 3 sizes #1, #3 and #5 with the purchase of different size needles, tips and aircaps. Optional Color Cup and Bottle Assemblies are available.

Size #1 Light Fluid-Spray Pattern 1/64"-1" (.55mm tip opening)
Size #3 Medium Fluid-Spray Pattern 1/32"-1-1/4" (.73mm opening)
Size #5 Heavy Fluid-Spray Pattern 1/16"-1-1/2" (1.07mm opening)

Recommended air pressure .5 to 1 CFM @ 20 to 45 lbs. Clean, dry air is essential for best results,

SA2000#1, SA2000#3 or SA2000#5 AIRBRUSH COMPLETE

Components

SA2000#1,3 OR 5 Single-Action Airbrush
VL-1/4-OZ Metal Color Cup (7cc)
VL-189 Head Protecting Cap
V-62 Wrench
A-34 Hanger
Parts List
Storage Case



Shipping Weight 12 oz. (340g)

2000SA HOBBY KIT

2000SA Components

SA2000#3 Single-Action Siphon Feed Airbrush
VL-1/2-OZ (2 pcs) Color Bottle Assembly (29cc)
HP-1/8"-6' Air Hose w/Couplings
A-34 Hanger
V-62 Wrench
TTALB "22 Airbrush Lessons" Booklet
Parts List



Shipping Weight 1 lb. 8 oz. (680g)

SA-SET AIRBRUSH SET

Components

SA2000#3 Single-Action Siphon Feed Airbrush
VL-1-OZ Color Bottle Assembly (29cc)
VL-3-OZ Color Bottle Assembly (89cc)
VL-1/4-OZ Metal Color Cup (7cc)
H-194 1 oz/29cc Plain Jar, Cover & Gasket
VLT-1 and VLT-5 Tips
VLA-1 and VLA-5 Aircaps
SAN-1 and SAN-5 Needles
A-34 Hanger
SA-SET Airbrush Wrench
A-1/8"-6' Air Hose
TTALB "22 Airbrush Lessons" Booklet
Parts List



Shipping Weight 1 lb. 8 oz (680g)

62 SPRAYER

Operating on relatively low pressure, the 62 sprayer efficiently sprays glazes, fixatives, medium consistency lacquers, varnishes and enamels. It handles the application needs which fall between an airbrush and a spray gun. Used by ceramists, furniture refinishers, vehicle decorators and other hobbyists. Use clean, dry air with pressure ranging from 20 to 45 lbs., depending on fluids being sprayed and effect desired.



62-1-3 For light consistency fluids (1.02mm tip opening)
62-1-3P For size 1 with plastic bottle
62-2-3 For medium consistency fluids (1.61 tip opening)

62 SPRAYER COMPONENTS

H-108 3oz. Glass Bottle (89cc) or 62-17P 3oz Plastic Bottle (89cc)
Parts List

Shipping Weight 1 lb 2 oz (510g)



NO. 2 and NO. 17 AIR PROPELLANT CANS

Paasche offers two sizes (small and large) of these popular, portable and disposable cans of air propellant. Paasche's air propellant blend does not contain CFC's which harm the ozone layer. These units provide pressure for a short period of time and are recommended when electricity is not readily available. To control the air volume from the unit to the airbrush an additional 3B pressure tank valve is needed

AEC AIR ERASER with CARBIDE INSERT TIP

The air eraser is a versatile instrument that can erase color errors and act as an etching tool. Easy to handle, this smooth operating air eraser operates like a small sand blaster with very little difficulty and a great deal of accuracy. Used by hobbyists and manufacturers to clean jewelry and fine parts, remove discoloration, rust and corrosion, etch glass or cut monograms. It can also be used in dental laboratories.

Recommended air pressure: 20-65 lbs. Clean, dry air is essential for best results.

AEC COMPONENTS: AE-22 2oz Cup Assembly with Cover
A-34 Hanger, V-62 Wrench, Parts lists and Storage Case

OPTIONAL ACCESSORIES: A-1/8" Air Hose, R-75AR Regulator, R3-1/4"-12" M Air Regulator/Condenser

Shipping Weight: 12 oz (340g)



AEC-K AIR ERASER KIT

This kit is for the professional technician, manufacturer or hobbyist who needs to delicately abrade. It can be used for decorative etching of glass, dental lab work, rust removal, color erasing or to smooth castings.

Components

AEC Air Eraser with Steel Tip and Carbide Insert
AEX-6 6oz Jar of Fast Cutting Compound (170g)
A-1/8"-4' MT Air Hose with Moisture Trap
V-62 Wrench
A-34 Hanger
2DS (one) Disposable Respirator
Parts List

Shipping Weight 1 lb 14 oz (850g)



AECR REMOTE FEED AIR ERASER

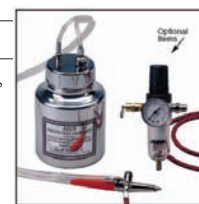
The AECR reproduces all the fine accomplishments of the AEC Air Eraser and with its Quart Cup offers greater flexibility through use of a quart container. This in turn, offers greater freedom of movement for the operator. The optional R-75Ar Regulator with gauge and moisture drain gives user closer control of operating pressure as well as assisting in furnishing clean dry regulated air. Always wear protective equipment, Glasses and Respirator, when using Remote Feed Air Eraser.

Components

AECR Components: AECR Remote Feed Air Eraser,
20SCC Quart Cup 32 oz, AE-51 Cover Assembly,
AE-52 Plastic Hose Assembly, AE-59 Gasket,
A-1/8"-6' MT Air Hose with Moisture Trap,
7-GN Gasket and Parts List

OPTIONAL ACCESSORIES: R-75AR Regulator & Filter with Gauge, PBO-12 Safety Relief Valve, HF-592 Adapter, HF-33 Adapter (2)

Shipping Weight: 2 lbs 6 oz (1.077kg)



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CUTTING COMPOUND

FAST- Aluminum Oxide

AEX-6 6 oz. (170g)
AEX-5 5 lbs. (2.3kg)
AEX-25 25 lbs (11.3kg)

MEDIUM - Pumice

AE-60Z 6 oz. (170g)
AE-5 5 lbs. (2.3kg)

SLOW - Starch

SSO-6 6 oz (170g)
SSO-5 5 lbs. (2.3kg)



LAC#3 ABRASIVE GUN

The LAC#3 is used the same as the AEC Air Eraser but for larger jobs requiring fast cutting speed. Both have adjustable feature which enables the user to control the amount of abrasive used. A 1/4" air connector is required. The LAC#3 has a carbide tip for longer life. Recommended air pressure : Cutting pressure ranges from 20-80 lbs. depending on abrasive or cutting speed desired.

Components:

Quart container 32 oz. (0.946L)
Parts List

Optional Accessories:

HL-3/16" Air Hose
80 Filter Respirator
99 Paint and Vapor Respirator
2DS Softseal Respirator

Shipping Weight: 1 lb. 11 oz. (765g)



HAPK HOBBY and AUTO PAINT KIT

This airbrush spray kit is ideal for auto, van, cycle, hobby and ceramics enthusiasts. Includes everything needed for touch-up, detail and striping.

HAPK Components:

H#3L Single-Action Airbrush
FP-1/32"L Flow Pencil
62-1-3 Sprayer 3 oz. (89cc)
H-3-OZ Bottle Assembly (89cc)
HL-3/16"-6' Air Hose & A-1/8"-6' Air Hose
V-62 Wrench & F-186 Wrench & Parts List
TTALB "22 Airbrush Lessons" Booklet

Shipping Weight: 2 lbs 10 oz (1.191kg)



FP-1/32" FLOW PENCIL - STRIPING APPLICATOR - GRAVITY FEED

The FP-1/32" Flow Pencil is an ideal instrument to flow lines onto a horizontal surface. Without masking or overspray, the operator can stripe models, wood products, metal products, metal parts and other surfaces needing decorative trim. Nib size determines width of stripe.

FP-1/32" Components: Flow Pencil fitted with 1/32" Nib, LN-1/16", LN-1/64" and LN-3/64" Nibs, MU-20 Cover, MU-21 1 oz Cup (29cc), V-62 Wrench, Parts List and Storage Case

OPTIONAL ACCESSORY: ALP-32 Pressure Color Cup 1 oz (29cc). This optional accessory fits only the FP-1/32" Flow Pencil and is used for non free flowing materials, for embossed or raised lines. A spring operated plunger applies pressure to give uniform feed.

Shipping Weight: 8 oz (227g)

AIRBRUSH - COMPRESSORS

1.5



**D500 AIR COMPRESSOR
(1/10H.P.)**

Economical and suitable for all airbrushes spraying properly thinned fluids. It is capable of delivering 20-25 P.S.I. operating pressure with most airbrushes. The Paasche D500 is an oil less diaphragm unit.

It operates on 115 volt, 1 phases, 60 Hz, 3 amps and delivers .5 C.F.M. @ 20 P.S.I. (CSA approved) Comes with D535 Bleeder Valve.

D500S Air Compressor (with switch) Not CSA approved .

Shipping Weight: 12 lbs (5.5kg)



**D500SR AIR COMPRESSOR
(1/10 H.P.) with Switch and Regulator**

Economical and suitable for all airbrushes spraying properly thinned fluids, It is capable of delivering 20-25 P.S.I. operating pressure with most airbrushes. The Paasche D500SR is an oil less diaphragm unit. Comes with on/off switch built into a six foot, 3 wire grounding cord and the R-75AR Regulator and Filter with gauge,

It operates on 115 volt, 1 phase, 60 Hz, 3 amps and delivers .5 C.F.M. @ 20 P.S.I. Not CSA approved with switch. D535 Bleeder Valve not required or supplied with D500SR. R75AR Regulator will regulate up to 30 P.S.I. depending on usage (intermittent or consistent) and size of airbrush being used.

Shipping Weight: 12.5 lbs. (5.7kg)



**D100 AIR COMPRESSOR
(1/8 H.P.)**

Perfect for your airbrush hobby when using light materials. Excellent for use with F, H or V series airbrushes and applications like Nails and Tanning, Delivers 15 to 25 P.S.I. operating pressure.

It operates on 115 volts, 1 phases, 60Hz, 1.1 AMPS and delivers .3 C.F.M. @ P.S.I.

Optional : Regulator

Shipping Weight: 10.6 lbs. (4.7kg)



**D200 AIR COMPRES-
SOR (1/16 H.P.) with optional
Regulator(D200R)**

Perfect for hobbies requiring increased pressure for atomizing heavier materials. Delivers 30 to 40 P.S.I. operating pressure. It operates on 115 volts, 60Hz, 1.5 AMPS and delivers .7 C.F.M. @ 20 P.S.I.

R-75AR Regulator (on model D200R)

Shipping Weight: 12 lbs. (5.5kg)



DA300 AIR COMPRESSOR

1/8 H.P., 120 V.A.C., 1 phase, 60Hz, 1.4 Amps, 20L/Min. (0.7CFM), 6.3 Bar(90PSI) Max Pressure, Noise 53dB, 1720 rpm.

Shipping Weight: 9.4 lbs (4.3kg)

DA400 AIR COMPRESSOR

1/6 H.P., 120 V.A.C., 1 phase, 60 Hz., 1.5 Amps, 42L/Min (1.48CFM), 6.3 Bar (90PSI) Max Pressure, Noise 58dB, 1720 rpm

Shipping Weight: 12.2 lbs (5.6kg)



**D3000 AIR COMPRESSOR
(1/8 H.P.)**

This oil less diaphragm compressor is a tank mounted unit designed for compactness and portability. The sturdy air tank stores reserve air volume and reduces pulsation. Air pressure in the tank is regulated with an automatic on/off limit switch to a maximum of 40 P.S.I. Unit has a five foot grounded 3 wire cord.

The compressor features 1/8 H.P. motor which operates on 115 volts, 1 phase, 60Hz, and draws .9 Amps.

SPRAY BOOTHS



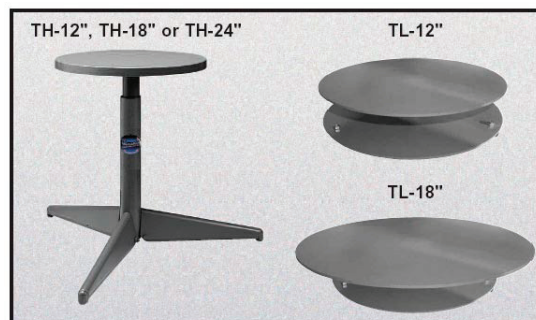
The BBF Series is a bench type paint booth and suitable for almost any type of painting. Air is channeled from the open booth face and then pulled through the rear filter wall. Your overspray particulate matter is caught by the filters and the fumes are discharged up through the ducting and out of the building.



BBF SERIES SPRAY BOOTHS

2' Wide x 2'6" Deep x 2' High	3' Wide x 2'6" Deep x 2' High	4' Wide x 2'6" Deep x 2' High
Working Dim: 2' Wide x 2'6" Deep x 2' High	Working Dim: 3' Wide x 2'6" Deep x 2' High	Working Dim: 4' Wide x 2'6" Deep x 2' High
Overall Dim: 2'1" W x 3'1" D x 2'1" H	Overall Dim: 3'1" W x 3'1" D x 2'1" H	Overall Dim: 4'1" W x 3'1" D x 2'1" H
12" Fan with sparkles aluminum blade		
Belt guard for fan		
1/4 H.P., 1 Phase, 115/230 volt explosion proof motor		
900 CFM at 3/8" static pressure		
Two sets of filters		
Manometer Draft Gauge included		
Full assembly drawing and instructions		
All hardware		
Options for above booths:		
10' Exhaust Duct Package for 12" Diameter		
12" x 25" Fiberglass Filters - case of 50		
Motor switch for 1 phases motor		

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TURNTABLES

Paasche turntables are available in both Manual and Airmotor operated (manual turntables shown to the right) to include bench and floor models. Diameters are 12", 18" or 24". They are capable of carrying parts up to 100 lbs. Airmotor turntables attain speeds upwards of 20 rpm. TH-12", TH-18" & TH-24" manual turntables with adjustable height 21" - 35" and 15", 18" or 24" diameter table top. TL-12" and TL-18" manual benchtop turntable, 4" fixed height, 12" or 18" diameter table top.

Shipping Weight: 9 lbs (4.08kg)

BOOKS AND VIDEOS



VL Airbrush
Video (VCR)



TWENTY TWO AIR-
BRUSH LESSONS FOR
BEGINNERS



Getting Started in
Airbrushing



T-SHIRT
AIRBRUSHING



AIRBRUSHING WITH THE
VL (DVD version)



THE COMPLETE STUDIO
HANDBOOK

The
SignDOME™



The SignDOME will be available in Natural, Granite, Sandstone, Blue, Orange, Yellow, Black, Moss Green, and Purple. Other colors will be coming in the future and custom colors can be done.



The groove in the top allows a .25' piece of sign material to be inserted into it. A 1.75" hole in the center of the dome allows for multiple uses such as a base for a flag pole or base for a temporary banner frame. A convenient, concealed plug makes it easy to fill with water or sand for ballast.



1.5



SEAL IT PENS

Here's a fast, simple answer to your edge sealing problems with SIGNGOLD and other vinyl applications that require edge protection from washing, polishing, and excessive physical contact. Each SEALITPEN is filled with ONESHOT brand 4005 UV blocker acrylic clear, for a fast drying (15 minutes), long lasting edge seal. SEALITPEN is compatible with all vinyls, thermal and digital prints..

HAN-SEE PRODUCTS



**HAN-SEE POUNCE
PAD #202**

Han-See's most popular pounce pad. Over the years, thousands of sign artists have used it for trucks, windows, and small flatwork from Portland, Maine to Portland, Oregon and beyond. In a word, **QUALITY.**



**HAN-SEE POUNCE
POWDER**

Developed exclusively for the Sign and Graphic Industry. The blended Charcoal minimizes peaking and prevents pounce stain. The blended White provides excellent visibility and hold without peaking. Han-See also added some blue for those times white or charcoal won't do the job. Available in 20 ounce plastic bottles

VELCRO® Brand Hook & Loop Tape

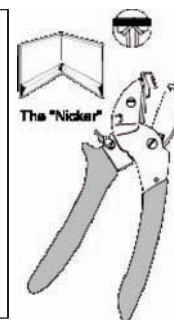
- Standard hook and loop widths - 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/2", 2", 4" (other sizes available)
- Variety of adhesive backings available to meet specific requirements
- Available in pressure sensitive (adhesive back) or Sew Type (plain back).
- Hook and loop components sold separately
- Standard put-up on 25 yard or 50 yard reels
- Can be straight-cut or cut and mated
- Colors available - Black, White Beige, Light Grey... other colors available upon request



JEWELITE® "NICKER"

Notch Jewelite letter trim like a pro with the "Nicker". The specially designed blade and anvil allows a stronger more dependable cut which can increase the amount of work your shop currently performs with a knife and file.

The "Nicker" works equally well with all widths of trim from 3/4" to 2" leaving a uniform cut time after time, which allows for a smooth, uniform bend.



MODEL 20 DESKTOP CORNER ROUNDER®

The Model 20 Desktop Cornerrounder® round cornering machine handles up to 1/2"* of stock per cut. Equipped with your choice of one cutting unit: 1/8", 1/4", 3/8", or 1/2". Special size cutting units are also available.

- Capacity of cutting unit is dependant on material being cut and radius of cutting unit being used.
- 1/2" Cutting Capacity
- Dies Accepted: Standard & Special (1/8" to 5/8")
- Dimensions: 5" x 10-1/2"
- Weight: 4 lbs.



1.5

BANNER UPS® ADHESIVE GROMMET TABS



BAN 001

BANNER UPS - Regular, Mini, Clear Mini w/Backtab

FORGET GROMMETS! Banner Ups are made with a foam adhesive and aggressively bond to virtually all banner materials as well as coroplast, foamcore, and paper. Use large Banner Ups (BAN001) for the toughest outdoor banner applications and Mini Banner Ups (BAN002) for indoor or light duty outdoor applications. Banner Ups unique shape allows them to be applied at different corner angles as well as along the top and sides of banners. For light duty use, just attach rope to the folded neck loop. For tougher jobs, run the rope through the tab center hole. Clear Mini Banner Ups w/Backtab (BAN003) are composed of a clear plastic film with an adhesive tab on the backside which permits adhesion directly to a wall or window surface. Both the white and clear mini Banner Ups are designed for indoor, short term, or light duty outdoor applications.



BAN 011

POWERTABS - White, White Mini, Crystal Clear, Crystal Clear Mini

New generation PowerTabs are made of high strength composite film, which is a thinner than but just as strong as original Banner Ups. Their corner-friendly shape and thin profile help them blend inconspicuously into the banner surface. They are available in regular white (BAN 011) for outdoor use, and mini white (BAN 012) for indoor and light duty outdoor use. Run rope through PowerTab end loop for indoor applications, or through the pre-punched tab center hole for outdoor banners.



BAN 012



BAN 014

Crystal Clear PowerTabs (BAN 014) are perfectly transparent and designed for inkjet, digital, and other full color banners. They are virtually invisible after installation. For tough outdoor applications, use PowerTabs together with PowerTape hem reinforcing tape for maximum outdoor strength. Use Crystal Clear Mini PowerTabs (BAN 013) for indoor banners.



BAN 013



EDGETABS

New Clear EdgeTabs (BAN 016) square shape makes them the ideal choice for banner edges when additional fastening points are desired. Measuring 1-1/2" square they may also be used on banner corners as a lower cost alternative to large PowerTabs for lighter weight applications. For a low cost hole reinforcement for banner stand graphics, just cut the tab in half and place on the back of banner corners, punch center hole, then place banner stand posts through the hole.



BULK TABS

New BulkTabs (BAN 043) are designed to get massive strength out of extremely light weight materials. Due to their large size, BulkTabs can get tens or even hundreds of pounds of resistance out of the lightest materials. A rigid dowel (not included with tab) is inserted in the neck for reinforcement.



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PRO TABS

New ProTabs (BAN 041) are simple tabs designed for simple jobs. Use ProTabs to hang rigid board or as a low cost alternative to grommets on flexible materials, or even as grommet hole reinforcement.



POWERTAPE HEM REINFORCING TAPE

Forget about the hassle of folding over double-sided banner tape to make a banner hem. Made of heavy duty film, PowerTape (PTAPE8615) takes the place of hemming and grommets. Simply apply tape over PowerTabs along the top and bottom edges on the back of the banner. After applying tape over PowerTabs along the top and bottom edges on the back of the banner media, then run rope through the hole. In a few minutes, you can create a strong banner of any length without the time and struggle of grommets, or the risk of damage to the image that post print sewing can cause. PowerTape works best when used in conjunction with PowerTabs.

POLETAPE ADHESIVE for Pole Pocket Banners and splicing media

This super strong adhesive goes on like tape but sticks like hot melt glue. Use Pole Tape instead of sewing to create dowel pockets for pole banners, or for joining banner media. It may also be used for permanent mounting on wood, rigid plastics, and metal. Available in 1" x 35 mil thick (POLE135) and 1/2" wide x 20 mil thick (POLE0520), for lighter duty.



BEUGLER STRIPER "The Rollerbrush" for pinstriping & lining with paint



Jumbo Kit
Triple paint capacity for very large projects

JUMBO KIT - Triple paint capacity for very large projects - Choose any two standard Jumbo wheelheads

Includes

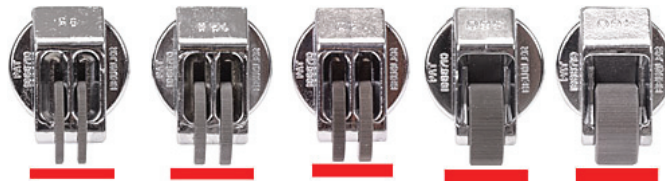
- | | |
|-------------------------------|--------------------------|
| • Beugler Jumbo Striping Tool | • 2 Standard Wheel Heads |
| • Cleaning Brush | • 2 Guide Arms |
| • User's Manual | |

STANDARD JUMBO WHEELHEADS



7/64" / 2.5mm 1/8" / 3.2mm 5/32" / 4mm 13/64" / 5.3mm 1/4" / 6.4mm

OPTIONAL- DOUBLE AND WIDE WHEELHEAD



2 x 7/64" / 2.8mm 2 x 1/8" / 3.2mm 2 x 5/32" / 4mm 3/8" / 9.6mm 1/2" / 12.8mm



DELUXE BEUGLER STRIPING KIT 259 or KIT 471			
Includes: Beugler Striping Tool		3 Standard Wheel Heads	
Cleaning Brush		3 Guide Arms & User's Manual	
Deluxe Kit 259		Deluxe Kit 471	
			
#25 1/32" / .8mm	#57 1/16"/1.7mm	#43 3/64"/1.3mm	#73 3/32"/2.3mm
#93 7/64"/2.8mm		#115 1/8"/3.2mm	



PROFESSIONAL BEUGLER STRIPING KIT						
Professional Kit comes complete with all seven standard stripe sizes, paint barrel, guides, cleanup brush and instruction book. This kit allows very close size matching from 1/64" to 1/8" in increments of 1/64". Good when applying exact sizes or restoring original lines on autos, bikes, antiques, art work, models, etc.						
Includes:	Beugler Striping Tool					
7 Standard Wheel Heads	Cleaning Brush					
3 Guide Arms	User's Manual					
						
#16 1/64"/.4mm	#25 1/32"/.8mm	#43 3/64"/1.3mm	#57 1/16"/1.7mm	#73 3/32"/2.3mm	#93 7/64"/2.8mm	#115 1/8"/3.2mm

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BEUGLER WHEELHEADS

Standard Wheelheads

						
#16 1/64"	#25 1/32"	#43 3/64"	#57 1/16"	#73 3/32"	#93 7/64"	#115 1/8"

Standard Double Line Wheelheads

					
#16x2 (2) 1/64"	#25x2 (2) 1/32"	#43x2 (2) 3/64"	#57x2 (2) 1/16"	#25/73 1/32-3/32"	#43/93 3/64-7/64"

Standard Wide Wheelheads

			
#142 5/32"	#180 13/64"	#240 1/4"	#304 5/16"

Special Double Line Wheelheads

								
#16/57 1/64" 1/16"	#43/115 3/64" 1/8"	#43/142 3/64" 5/32"	#43/180 3/64" 13/64"	#57/180 1/16" 13/64"	#73x2 3/32" 3/32"	#73/142 3/32" 5/32"	#142/73 5/32" 3/32"	#93/93 7/64" 7/64"



H-901B GROMMETING HAND PRESS

HIGHLIGHTS:

- Interchangeable Die
- Adjustable Lower Die
- Industrial Grade
- Inserts #0, #1, #2, #3 & #4

SPECIFICATIONS:

- Throat Depth: 1-3/4"
- Stroke: 1-5/8"
- Overall Height: 14"
- Net Weight: 20 lbs.

The HIKER H-901 hand press offers all the versatility you'll ever need from a hand press. The die are interchangeable, so you can insert several types and sizes of grommets with the same press. The lower die is adjustable, which provides a consistent, quality setting in various material thicknesses - No more guessing when to stop pushing the handle down! The HIKER H-901 was also designed to produce enough force to insert a #4 grommet with the same, or less effort as it takes to insert a #2 on competing presses. Flat washers, turn-over washers, spur washers, thin material, thick material, whatever your needs are, the HIKER H-901 hand press is the best hand press available. HIKER has developed a great hand press that will save you money while improving the quality of your products. The H-901B will quickly pay for itself on labor savings alone!

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H-230 GROMMETING KICK PRESS

HIGHLIGHTS:

- Available Models: LD and HD (Light and Heavy Duty)
- Interchangeable Die
- Adjustable Lower Die
- Industrial Grade
- Inserts #0, #1, #2, #3, #4 & #5

SPECIFICATIONS:

- Throat Depths: 3-3/4"
- Stroke: 1-5/8"
- Overall Height: 44"
- Net Weight: 120 lbs.



The H-230 Grommeting kick Press is an industrial grade press made of solid cast iron. It has an adjustable lower die holder so easy adjustments can be made for various material thicknesses. The die are also interchangeable so several sizes and types of grommets can be inserted with the same press.

H-908 GROMMETING PRESS Dual Feed, Single Stroke, Auto Punch

HIGHLIGHTS:

- Feeds both grommet & washer
- Punches hole for standard grommets
- Flywheel provides force
- Laser Pointer Included!

SPECIFICATIONS:

- Throat Depth: 6-1/2"
- Stroke: 1-3/8"
- Motor: 1/2hp, 110/220v
- Overall Height: 63"
- Net Weight: 480 lbs.

The HIKER H-908 is a powerful press that was designed to insert up to #5 plain, or #4 spur, standard grommets. The press feeds both the grommets and washers automatically then punches a hole in the material and sets the grommet all in a single motion. The H-908 uses a 1/2hp motor to turn a large flywheel which multiplies the force of the motor. The extra force created by the flywheel makes the HIKER H-908 a very powerful machine that will cut through tough material and set larger grommet sizes more easily than presses that use only a small motor. An added standard feature to the H-908 is a laser pointer which helps to increase the accuracy of the placement of each grommet. The HIKER H-908 comes with the standard safety features such as a die shield, die guard and emergency power down button. Custom guarding, guide tables and other modifications can be done by HIKER to accommodate your company's specific production needs.





GROMMETS & EYELETS

HIKER offers a wide range of standard grommets from small eyelets for shoe laces to large grommets for stage curtains. HIKER also specializes in self-piercing grommets which cut their own holes. HIKER's self-piercing grommets are manufactured in an ISO 9002 certified environment with only the highest quality raw materials. No other company in North America has more sizes and types of self-piercing grommets than HIKER.

SELF-PIERCING GROMMETS

Self-piercing grommets eliminate extra steps and save time, which saves you money! How? The tips of the barrels on each grommet are sharper and the material is more rigid, which allows the grommets to cut their own perfect sized holes every time. This eliminates the need to "pre-cut" holes, saves labor hours and provides the framework for a quality grommet setting with every insertion. Having the grommets cut their own holes also eliminates the extra cost of purchasing and maintaining a separate hole-punch and allows significant savings (\$1,600.00 on average), on electric presses because fewer moving parts are necessary. The benefits of self-piercing grommets at HIKER's industry low prices will make a positive impact on your company's bottom line.

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SELF-PIERCING GROMMETS with FLAT WASHERS

Size	Code	ID	OD	LUF	Available Finishes
#0	SPU-E	1/4"	1/2"	5/32"	Brass, Nickel Plated (Silver). Chemical Black
#1	SPV-E	5/16"	5/8"	3/16"	
#2	SPW-E	3/8"	3/4"	3/16"	
#3	SPX-E	7/16"	13/16"	7/32"	
#4	SPY-E	1/2"	15/16"	7/32"	
#5	SPZ-E	5/8"	1-1/8"	1/4"	

SELF-PIERCING ROLLED RIM GROMMETS with SPUR WASHERS

Size	Code	ID	OD	LUF	Available Finishes
#000	SP-000	5/32"	13/32"	3/16"	Brass, Nickel Plated (Silver), Chemical Black
#00	SP-000	1/4"	9/16"	3/16"	
#0	SP-0	5/16"	11/16"	7/32"	
#1	SP-1	3/8"	13/16"	1/4"	
#3	SP-2	15/32"	15/16"	1/4"	
#5	SP-4	5/8"	1-1/8"	11/32"	



BANDANNA BANNER

Cambridge Canvas Centre Limited has developed and patented this unique banner on a roll product for the sign and graphics industry.

What makes Bandanna Banner so unique? We have automated our hemming system to accurately measure 1-inch hems and then simultaneously thermo-weld seams along top & bottom lengths without sewing. This material is set with 2 grommets, spaced 3 inches apart on center every 24 inches along top & bottom lengths with pin-point accuracy. Each roll is then rolled on a tube and professionally boxed in standard 24 yard rolls or special 12 yard rolls. Standard widths of 22", 34", 46". Standard weights include: 11.5 ounce and 14 ounce (White only). Standard colors are White, Yellow, Black, Red, Green and Blue.

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3104 SureBet Vinyl Scrim 10 ounce Gloss Banner

Snow-white calendered vinyl encapsulates a 200x300 denier scrim to produce a 13 mil thick banner. Compatible with all the popular brands of volatile solvent printers and weighing 10 ounces per square yard (340gsm), 3104 is the right choice to balance weight restrictions with physical strength.

3106 SureBet Vinyl Scrim 13 ounce Gloss Banner

Snow-White calendered vinyl encapsulates a 200x500 denier scrim, producing a 16 mil thick banner. Compatible with all the popular brands of volatile solvent printers, 13 ounce (440gsm) is the standard for banners of all types.

3107 SureBet Vinyl Scrim 13 ounce Matte Banner

Snow-white calendered vinyl encapsulates a 200x500 denier scrim, producing a 16 mil thick banner, Compatible with all the popular brands of volatile solvent printers, 13 ounce (440gsm) is the standard for banners of all types.

3108 SureBet Vinyl Scrim 15 ounce Gloss Banner

500x500 denier scrim for extra-strength and snow-white vinyl for excellent color contrast, this 18 mil, 15 ounce (510gsm) banner is the choice for extreme conditions.

3109 SureBet Double Coated Vinyl Scrim



NTI GLOBAL - PEARL GLOSS OUTDOOR BANNER MEDIA™

PEARL GLOSS SPECS:

- Compatible with all Solvent Large and Grand Format Printers
- 13 ounce 10x10 / inch scrim
- 3-year exterior life expectancy
- Tear and shear resistant
- Accepts grommets, hot air/rf welding, sewing and adhesives
- Resists mild alkalis, acids and salts
- MAE approved
- Gloss finish with high brightness for intense color images
- Enamel receptive finish for sure surface ink retention and color mode control
- Available Widths: 30", 36", 40", 54", 62", and 72"
- Available Length; 33 yards





PRECISION BOARD FILLERS AND ACCESSORIES

FSC-88 Filling and Smoothing Compound

FSC-88 is a solvent based, sprayable, brushable, or rollable primer/filler that is used to fill and smooth Precision board prior to finishing with paints and coatings. Use FSC-88 when an ultra smooth surface is required, or as a primer prior to paint application. It dries rapidly and is easily sanded.

FSC-88 WB PRIMER / FILLER

FSC-88 WB is a sprayable, brushable, or rollable waterbased primer / filler that is used to fill and smooth Precision Board prior to finishing with paints and coatings. Use FSC-88 Wb when smooth surface is desired, or as a primer to insure paint adhesion. It dries rapidly and sands easily. FSC-88 WB also works well on wood, concrete, and metal.

FSC-360 WB Crack Filling & Repair Material Putty Knife Grade Waterbased

FSC-360 WB is a waterbased crack filling and repair material specifically formulated for use on Precision Board high density urethane (HDU). It also works well on wood, metal, and adheres to most plastic. FSC-360 WB dries quickly and sands easily. Use FSC-360 WB for repairing scrapes, holes, or any type of damage. FSC-360 WB works well in conjunction with FSC-88 Primer/Filler. Complete all repairs with FSC-360 WB prior to final primer/filler applications. For complete surface filling, use FSC-88, which is a brush, spray, roller grade primer/filler.

TSF-45 Texture Surface Finish

TSF-45 Texture Surface Finish is an extremely tough, flexible coating that has been compounded specifically for use in creating texture surfaces on Precision Board high density urethane. TSF-45 is a white exterior grade material that does not require priming surface priming prior to use. Use TSF-45 whenever creativity calls for a flexible, textured type finish.

TSF-45 is white and filled with an unusual type of material that allow it to be finished using the same type of methods for finishing cementitious type plaster products. It can be swirl finished, skip trowel finished, stucco finished, stipple finished, or many other interesting surface finishes such as wood grain. It will also make the surface Precision Board much tougher and stronger

TSF-45 adheres directly, without priming, to clean Precision Board, concrete, wood, steel, glass, even galvanized metal. Works well for blending monument signs and texturing steel poles.

PB Bond-240 One Part Bonding Adhesive

PB Bond-240 is an amber colored, one-part, urethane adhesive that works well for indoors or outdoor applications. It cures from liquid to a solid state with a slight amount of moisture. Use it to join Precision Board high density urethane sheets with butt bonds to make them longer or wider, and for laminating sheets together to make them thicker. Consistency of PB Bond-240 is similar to honey, making it easy to apply directly from the container. No mixing is required. Cure time: 4 hours before moving, full strength in 12 hours.

PB Fast Set One Part Bonding Adhesive

PB Fast Set is an amber colored, one part, urethane adhesive that fully cures in 30 minutes. It works well for indoor or outdoor applications. It cures from liquid to solid with a slight amount of moisture. Use it to join Precision Board high density urethane sheets to make them longer or wider, and for lamination sheets together to make them thicker.

Consistency of PB Fast Set is similar to honey, making it easy to apply directly from the container. No mixing is required.

Works well on wood, metal and most other materials. Easy to cut, carve, sand or machine. Cuts cleanly. Cure time: Full strength cure 30 minutes. For slower cure and more working time, use PB Bond-240

EP-75 Epoxy Bonding Adhesive

EP-75 Epoxy Bonding Adhesive is a two component epoxy putty used to structurally bond Precision Board to itself, as a sign mounting adhesive, or wherever a high strength epoxy is needed. It is suitable for interior applications.

EP-75 will not shrink. It cures rock hard, enabling it to be sanded, drilled, tapped, sawed, machined, painted, and feathered to a zero edge.

EP-75 is highly resistant to water, acids, alkalines, and solvents. It contains no metallic fillers, is a non-conductor of electricity, and will not promote electrolysis.



SIGN-ARTS ADHESIVES AND PRIMER

SIGN-GRIP3801™ ONE-PART URETHANE ADHESIVE

SIGN-GRIP3801™ is a one-part urethane adhesive that cures with the ambient moisture in air. Once cured SIGN-GRIP3801™ forms a very strong, easy sanding bond with good filling qualities. SIGN-GRIP3801™ can be used to adhere SIGN-FOAM3 to itself as well as to metal, plastic, and wood. SIGN-GRIP3801™ can be applied via roller, brush or flow coat. After application, good tack develops in 5 to 15 minutes and will remain tacky for another 15 minutes. Substrates should not be moved for 24 hours and a full cure will develop in 1 to 5 days depending on relative humidity.

SIGN-GRIP3801™ is a good choice for edge joints as this entails adhering SIGN-FOAM3 to itself. Perfectly smooth edges are not necessary, as the expansion will fill in any rough cuts or machining marks. Apply a bead of SIGN-GRIP3801™ to one side of the joint and spread it out with a squeegee. If you are operating in a particularly dry climate you may want to lightly spray the other side with water to help speed up the cure time. Clamp or toe-screw the pieces together with very little pressure. Too much pressure will only force the adhesive out of the joint. As the glue dries, excess adhesive will form at the joint edge. You can wipe this away with a damp cloth, or you can allow the glue to dry completely and machine away with a chisel or file.

Laminating large pieces of SIGN-FOAM3 together to create a particular thickness is a common practice.

SIGN-GRIP3801™ is the perfect choice. SIGN-GRIP3801™ may be brushed or rolled on, due to the expansion of the adhesive, coat one surface only. Lightly spray the other surface to speed cure times. Use drywall screws to hold the pieces in place while the adhesive dries. The drywall screws will pull the pieces together, they will countersink by themselves, and it is not necessary to remove them. The heads are easily covered with a small amount of bondo; however, this should be done later in the finishing stage.

SIGN-GRIP3822™ TWO-PART EPOXY

SIGN-GRIP3822™ is a two-part epoxy with unmatched strength, which makes it an excellent choice for all your structural gluing. It is a urethane adhesive sold in 50-ml cartridges that insure a proper 1 to 1 mixing ratio straight out of the applicator gun. SIGN-GRIP3822™ has a 5 to 7 minute working time and dries to handle in 1 to 3 hours depending on temperature. SIGN-GRIP3822™ will dry to full strength in 12 to 24 hours. SIGN-GRIP3822™ will successfully adhere SIGN-FOAM3 to itself, as well as SIGN-FOAM3 to painted or raw metal.

The edge joint is probably the most common glue application you will encounter, and this of course entails adhering SIGN-FOAM3 to itself. For edge joints as well as gluing letters to the face of a SIGN-FOAM3 sign, you can apply SIGN-GRIP3822™ directly to the raw foam, spreading the glue liberally on one side only, and push the pieces firmly together. Clamp the pieces in place for one hour or until handling strength is achieved. The ideal bond for line thickness is 10 to 40 mils. Should any glue ooze from the seam clean it up immediately, as it is always easier to clean when it is still wet than after it has dried.

SIGN-PRIME™ PREMIUM MULTI-PURPOSE SIGN PRIMER

SIGN-PRIME™ is a white, tintable, high performance primer.

SIGN-PRIME™ is fast drying and offers excellent adhesion for any surface coating including latex, enamel or two-part urethane paint.

SIGN-PRIME™ may be rolled, brushed or sprayed on either interior or exterior applications

Although SIGN-PRIME™ is sold specifically for SIGN-FOAM3®, it may be used on many other substrates as well, including wood, metal and MDO plywood. One gallon of SIGN-PRIME™ will cover approximately 400 square feet. Clean with soap and water. Replace lid tightly after each use and keep from freezing.

IPS WELD-ON® INDUSTRIAL ADHESIVE

IPS leads the adhesive industry with the most complete line of solvent cements and adhesives for bonding plastics. You can count on consistent, high-quality WELD-ON® adhesive, such as 3, 10, 16, 40, 45, 55, 66 and 4052.

Since 1955, IPS has been known worldwide for developing and manufacturing quality adhesive and cements for joining plastics and other materials. In fact, IPS was the first to produce a reliable cement for use with PVC and ABS pipe and fittings.

Today, this commitment to innovation continues along with the assurance of receiving the highest quality adhesives.

That's why IPS uses state-of-the-art equipment, such as a gas chromatograph, FTIR spectrophotometer, colorimeter, bond strength tester and viscometer to check everything from the raw materials to the final product.



ACRYLIC ADHESIVES AND CEMENTS

WELD-ON 3	WELD-ON 4	WELD-ON 16	WELD-ON 1802
			
Non-flammable, water-thin, very fast setting, solvent cement for bonding acrylics. Also bonds styrene, butyrate, PETG, and polycarbonate to themselves. Will not bond to cross-linked acrylics.	Non-flammable, water-thin, moderately fast setting, solvent cement for bonding acrylics. Also bonds styrene, butyrate, PETG, and polycarbonate to themselves. Will not bond to cross-linked acrylics.	Fast-setting, medium bodied, high strength, acrylic cement. Also bonds rigid PVC, ABS, styrene, butyrate, polycarbonate to themselves and each other, as well as other plastics and porous surfaces.	Medium setting, light bodied, acrylic cement for bonding acrylic, styrene, rigid PVC, ABS, and butyrate to themselves.
WELD-ON 40	WELD-ON 42	VINYL ADHESIVES AND CEMENTS	
		WELD-ON 66	WELD-ON 1001
			
Two-part, reactive, high strength, acrylic adhesive for bonding and fabricating all acrylics to each other and to polyester, butyrate, PVC, ABS, PETG, Polycarbonate, etc. Meets Mil Spec A-8576 Type III.	Has the same physical properties as #40, but is packaged in a two-component cartridge for use with a dispensing gun and mixing tip.	Thin bodied, fast curing, versatile contact cement for use on flexible vinyl, leather, urethane, wood, and canvas.	Thin bodied, slow setting cement for bonding flexible or rigid vinyl, foamed PVC, and non-plastics to themselves and each other.

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VINYL ADHESIVES AND CEMENTS

WELD-ON 1007	WELD-ON 1784	WELD-ON 1909	WELD-ON 1910
			
Thin bodied, very fast setting cement for bonding rigid vinyl, foamed PVC and kydex.	Medium bodied, very fast setting cement for bonding flexible or rigid vinyl to itself or other plastics, as well as to some porous materials such as wood, leather, etc.	Medium bodied, fast setting cement for bonding flexible or rigid vinyl to itself or other plastics, as well as to some porous materials such as wood, leather, etc.	Heavy bodied, medium setting cement for bonding flexible or rigid vinyl to itself or other plastics, as well as to some porous materials such as wood, leather, etc.

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LOW VOC VINYL CEMENTS

WELD-ON 2007	WELD-ON 4007	WELD-ON 4052	WELD-ON 4909
			
Water-thin, very fast setting solvent cement for bonding PVC, foamed PVC, and kydex to themselves and to each other.	Low VOC version of 1007. Thin bodied, very fast setting cement for bonding rigid vinyl, foamed PVC and Kydex.	Low VOC multi-purpose, medium bodied cement for bonding PVC, CPVC, ABS, styrene, Noryl® and foamed PVC.	Low VOC version of 1909. Medium bodied, fast setting cement for bonding flexible or rigid vinyl to itself or other plastics as well as to some porous materials such as wood, leather, etc.

ABS CEMENT

WELD-ON 1707	WELD-ON 4707	WELD-ON 2354
		
Medium bodied, fast setting cement for bonding ABS only.	Low VOC version of 1707. Medium bodied, fast setting cement for bonding ABS only.	Thin bodied, fast setting cement for bonding ABS and styrene to themselves.

STYRENE CEMENT

WELD-ON 4807

Low VOC, medium bodied, fast setting cement for joining styrene to itself.

POLYCARBONATE ADHESIVES

WELD-ON 42	WELD-ON 45	WELD-ON 55	WELD-ON 58
			
Two-component medium syrupy, clear, reactive acrylic cement WELD-ON 42 bonds all acrylics, including extruded, cell cast and continuous cast, as well as molded parts and some cross-linked sheets. It will also bond acrylic to polyester, butyrate, PVC, styrene, and other materials	Two-part, high strength, reactive structural adhesive for bonding aluminum, galvanized steel, brass, copper, ABS, PVC, CPVC, PETG, polycarbonate and foam board to themselves and each other.	VOC free, two-part. slow setting, reactive urethane based adhesive for bonding polycarbonate, butyrate, ABS, and PETG to themselves and each other. Excellent UV light resistance.	VOC free, two-part, fast setting, reactive urethane based adhesive for bonding polycarbonate, butyrate, ABS, and PETG to themselves and each other. Excellent UV light resistance.

PLASTIC APPLICATORS AND CONTAINERS

PLASTIC APPLICATORS		MISCELLANEOUS CONTAINERS		
2 OUNCE	4 OUNCE	5-GALLON PAIL	55-GALLON	GALLON
				
HYPO-16 / 27 GAUGE HYPO-20 / 25 GAUGE HYPO-25 / 23 GAUGE HYPO-35 / 20 GAUGE HYPO-49 / 18 GAUGE HYPO-65 / 16 GAUGE	HYPO-164 / 27 GAUGE HYPO-204 / 25 GAUGE HYPO-254 / 23 GAUGE HYPO-354 / 20 GAUGE HYPO-494 / 18 GAUGE HYPO-654 / 16 GAUGE	5-Gallon Round, White, HDPE, 75mil	55-Gallon, HDPE. Tight-head style, Blue	Gallon size, 38-400 neck size, HDPE, Industrial round style, Natural color
32-Ounce Plastic	8-Ounce Plastic	24-Ounce Plastic	One Gallon Metal	Quart Metal
				
32-Ounce, Cylinder Style, Natural HDPE	8-Ounce, Cylinder Shape, Natural LDPE	24-Ounce, Sprayer Bottle Style, Embossed, Gradu- ated, Natural HDPE (Trig- gers Optional)	One Gallon Metal Pail, with Plugs, Ears and Bail(optional)	One Quart Plain Round Metal with Plugs
Rectangle Metal Gallon	MISCELLANEOUS CLOSURES and ACCESSORIES			
	Yorker Spouts	9" Sprayer	3/4" Spigot	"LID-OFF" Tool
				
One Gallon, "F" Style rectangle metal can.	Natural LDPE, Yorker Spout with short Red Tip	Trigger Sprayer	3/4" with Gasket, HDPE Spigot	Plastic Bucket Opening Tool

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ANCHOR® STENCIL PRODUCTS

Anchor Stencil Products have long been a leader in the monument stencil industry. These products continue to produce consistently high quality results. You'll find a variety of versatile stencil and fillers for every application. Anchor Stencil from Intertape provide superior blast resistance, precise and intricate design capabilities, clean transfers, smooth and accurate tracking and a convenient selection of sizes. IPG provides superior products that offer:

- A flexible product line designed for use by hand, machine or computer-cutting applications
- Excellent shape carving ability for precise detailing on even the most intricate designs
- Superior blast resistance prevents burning under the most intense blasting.
- Cleaner transfer of artwork to stencil and easy-release liner increases efficiency in the production process
- Easier cutting translates into less wear on knives and cutting dies, increases durability and requires fewer replacements
- Stencil construction provides for smooth and accurate tracking through cutting machines; minimizes waste and lost production.
- Product styles available in a variety of widths and lengths to fit all computer cutters; expanded roll sizes maximize unattended cutting time.

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PRODUCT DESCRIPTIONS

#111	#112	#116	#117
Designed specifically for hand-cutting. Panels can be replaced accurately and easily. Superior shape carving. Easier cutting means less wear on instruments. While release liner removes easily. Use with Intertape®/Anchor Filler #211	A convertible stencil designed for hand or machine cutting without reversing the liner. Extra-heavy red liner is designed for controlled release. Superior shape carving; easy, accurate panel replacement. Use with Intertape®/Anchor Filler #211	A high-tack computer stencil for use on raw wood surfaces and urethane foamboard. 15" features trimmed edges and a strong, clear liner that offers easy alignment and smooth, precise running on computerized sign-making machines. The 30" width track only on large pin plotters and the stencil rubber extends to the edge of the liner. CAUTION: #116 has a very aggressive adhesive and is not recommended for use on some woods without first testing a sample piece. Do not use on prepainted, pre-treated or glass surfaces.	Designed for use with computerized cutting machines. Trimmed edges on 15" roll allows smooth and easy tracking through the machine. A strong, clear film liner provides extra rigidity. The 15" width will track through most computer cutters. The 30" width will track only through a large pin plotter and the stencil rubber extends to the edge of the liner. After letters and designs are cut, they must be taped for transferring the stencil to stone. Use with Intertape®/Anchor Filler #211.
#120	#123	#123Y	#124
A multi-purpose, medium tack stencil designed for shape and depth carving in glass and pre-treated, prepainted or soft woods. Extremely easy to hand cut. Dark blue release liner lifts away easily. Stencil holds securely during blasting. No fillers are required., saving time on application and cleanup, #120 can also be used on tile, pretreated urethane foamboard and Plexiglas. Available in 25" width ONLY.	Designed for machine cutting and less wear on cutting dies. Excellent blast resistance and east-to-recognize blue liner. Plastic sheet laminated to the stencil eliminates taping to stone and allows easy blast-through. Fast cleanup. Use with Intertape®/Anchor Filler #223 or #333.	Product has a yellow 2-mil poly film between adhesive and rubber to identify any residue remaining after sandblast. Use with Intertape®/Anchor #223 or #333 Filler.	Same construction as #123, 2-mil polyester film holds letters and designs in place while transferring from computer to die. The holes are punched through the liner and rubber. Available in 15"x10 yard, 30"x10 yard or 30"x20 yards. Use with Intertape®/Anchor Filler #223 or #333. Note: 30" width will work with large pin 30" plotters.
#124PC	#124Y	#125	#128
Specially treated to enhance cut line visibility. Available in 30" width. Rolls are 10 yards in length. Use with Intertape®/Anchor #223 or #333 Filler.	This product has a yellow 2-mil polyester film between outside adhesive and rubber to help identify any residue remaining on substrate after sandblast. Product is available in 30" widths. Rolls are 10 and 20 yards in length. Use with Intertape®/Anchor #223 or #333 Filler.	A high-tack stencil designed for sand-blasting on raw wood and urethane foamboard. Easy-release orange liner. The strength of the adhesive eliminates the need for filler or spray adhesive. CAUTION: This stencil has a very aggressive adhesive and is not recommended for use on some woods without first testing a sample piece. Do not use on prepainted, pretreated or glass surfaces. Sizes available: 25" width only.	This 18-mil hand cut stencil is designed for glass etching and can also be used on light stone, tile, and acrylic etching. The paper liner removes easily. Has a petroleum-based adhesive system and conforms nicely to curved or irregular surfaces. Available in 25" and 30" widths. All rolls are 10 yards in length. Use with Intertape®/Anchor Filler #211.



#129	#129Y	#153	#154PC
Designed for use on most computer cutters, this product has a clear, 3-mil polyester film liner. Rubber is trimmed back from the edges so only the liner runs through the computer sprocket system, 2-mil polyester film between outside adhesive and rubber holds centers in place while transferring stencil from computer to granite or marble. Construction(other than liner) is the same as Intertape®/Anchor's popular #123 machine stencil. Available in 15" and 30" widths. The 15" width can also be used on most computer cutters; 30" works only on cutters with a standard 1/2" on center sprocket systems. Use with Intertape®/Anchor Filler #223 or #333.	Product has a yellow 2-mil poly film between adhesive and rubber to identify any residue remaining after sandblast. Use with IPG/Anchor #223 or #333 Filler	For use on friction-fed cutters. Can be used safely on pretreated and prepainted wood, urethane foam-board, glass, tile and acrylic. Rubber is trimmed back 1/2" along each edge so the wheels can clamp down on the 5-mil polyester film liner and carry the stencil through the computer. Since this type of plotter has no sprockets, holes are unnecessary (as in other computer stencils).	Specially treated to enhance cut line visibility. Available in 25" and 30" widths; 10 or 20 yard rolls. Use with Intertape®/Anchor #223 or #333 Filler.
	#130	#154	#154Y
	A computer-cut version of IPG's popular 18-mil stencil. Used for etching glass, light stone, tile and acrylic. Petroleum-based adhesive system. Available in 15", 20" and 30" widths. The 15" and 30" widths are hole-punched with the 1/2" on center hole pattern for any computerized cutters that have 1/2" on center style sprockets. The 30" width will not run in a large pin cutter. The 20" width is unpunched and can be run on all friction feed cutters. Use with Intertape®/Anchor Filler #211	Same construction as #123 computer stencil , blue liner and 2-mil polyester film between outside adhesive and rubber. Holes are IBM configuration (1/2" on center) , compatible with most computerized cutting machine with sprockets matching this alignment. Available in 12-3/4", 14-1/2", 15", 18-3/4", 25" and 30" widths. The 25" and 30" widths are available in 10 yard lengths and 20 yard lengths. Use with Intertape®/Anchor Filler #223 or #333. Note: Style #154 will not work on large pin computerized cutters.	Yellow 2-mil polyester film between outside adhesive and rubber to help identify residue remaining on substrate after sandblast. Available in 25" and 30" widths; 10 and 20 yard lengths. Use with Intertape®/Anchor #223 or #333 Filler.
#155	#156	#157	#158
Same construction as #153 stencil, except this product has a water-based acrylic adhesive, rather than petroleum-based. Adhesion level is much higher than #153. Rubber is trimmed back 1/2" along each edge so the wheels can clamp down on the 5-mil polyester film liner and carry the stencil through the computer. Used on raw wood and urethane foamboard. CAUTION:#155 has a very aggressive adhesive and is not recommended for use on prepainted, pretreated or glass surfaces. Available in 19-7/8" and 24" widths.	Same construction as our high-tack #116 computer stencil, except that the hole pattern is for use on standard 1/2" on center sprocket machines and edges are trimmed. Available in 30" width. CAUTION: #156 has a very aggressive adhesive and is not recommended for use on some woods without first testing a sample piece. Do not use on prepainted . pretreated or glass surfaces. Note:#156 will not work on the large pin 30" plotter; Style #116 is recommended for this use.	Same construction as our medium-tack #117 computer stencil, except that the hole pattern is for use on standard 1/2" center sprocket system machines and edges are trimmed. Available in 30" width, Note: #157 will not work on the large pin 30" plotter; Style #117 is recommended for this use.	Based on our #117 stencil with rubber extending to edges and liner is thinner.; 2-mils thick. Available in 25" and 30" widths; 10 yards lengths. Does not have an inner mylar sheet, which means the centers have to be taped before transferring stencil from plotter to stone. Use on plotters with sprockets 1/2" on center only. IBM configuration. The #158 is an excellent product to use on stone and wood. Use with Intertape®/Anchor Filler #211..
#192Y	#T226	#T227	
Same Construction as #129, except it is punched to work on large pin plotter. Yellow 2-mil polyester film between outside adhesive and rubber helps identify any residue remaining on substrate after sandblast. Available in 30" only.	High-tack BlastLite™ is a specially-formulated rubber mask that is long-lasting and easy to use. Natural flexibility properties and impact resistance makes it ideal for all substrates where shallow blasting is required. BlastLite™ High-tack Stencils are coated with an acrylic adhesive for use on raw wood, unprimed HDU, brick or unglazed tile. Available unpunched or friction fed.	Medium-Tack BlastLite™ is a specially formulated rubber mask that is long-lasting and easy to use. Natural flexibility properties and impact resistance make it ideal for use on all substrates where shallow blasting is required. BlastLite™ Medium-tack Stencils are designed for primed and painted surfaces, glass, plastics, synthetic stone and glazed tile. Available unpunched or friction fed.	

ANCHOR SANDBLAST USAGE GUIDE

1.5

PRODUCT SPECIFICATIONS					CUTTING METHODS			
PRODUCT NUMBER	WIDTH (In.)	LENGTH (Yards)	Adhesive Tack	Average Thickness (mils-w/o liner)	Hand Cut	Friction Fed	Sprocket Fed Gerber Punch	Sprocket Fed 1/2" on Center Punch
111	10-1/2, 12-3/4, 14-1/2, 18-3/4, 21, 25, 30-1/2	10	M	43	\$			
112	18-3/4, 25	10	M	48	\$			
116	15, 30	10	H	33		15	15, 30	15
117	15, 30	10	M	33		15	15, 30	15
120	25	10	M	33	\$			
123	10-1/2, 12-3/4, 14-1/2, 15, 18-3/4, 21, 25, 30, 30-1/2	10	M	48	\$			
123Y	12-3/4, 15, 18-3/4, 25, 30	10	M	48	\$			
124	15, 30	15/10, 30/20	M	48			\$	
124PC	15, 30	15/10, 30/20	M	50			\$	
124Y	15, 30	15/10, 30/20	M	48			\$	
125	25	10	H	36	\$			
128	25, 30-1/2	10	M	20	\$			
129	15, 25, 30	10, 20	M	45		\$	15	25, 30
129Y	25, 30	10, 20	M	45		\$		25, 30
130	15, 30	10	M	20			15	15, 30
153	19-7/8, 24	10	M	33		\$		
154	12-3/4, 15, 18-3/4, 25, 30	10, 20	M	48				\$
154PC	25, 30	15/10, 30/20	M	50				\$
154Y	25, 30	15/10, 30/20	M	48				\$
155	19-7/8, 24	10	H	33		\$		
156	30	10	H	33		\$		\$
157	30	10	M	33		\$		\$
158	25, 30	10	M	46				\$
192Y	30	10	M	45			\$	
T226	15, 20, 25, 30	10	H	22	\$			
T227	15, 20, 25, 30	10	M	22	\$			

GEMINI SIGN LETTERS

MINNESOTA INJECTION MOLDED PLASTIC LETTERS

Precision and consistency are the hallmark of MINNESOTA Letters. Injection molding creates sharp, clean edges; precise uniform consistency; and greater thickness for a very stable, sturdy letter.

Injection molded MINNESOTA Letters are based on an all-natural plastic called Cellulose Acetate Butyrate (CAB), derived from cotton and wood fibers making it stronger and more durable than acrylic.

Guaranteed not to fade or break, MINNESOTA Letters are stocked in pigmented white and black. Standard colors will be painted.

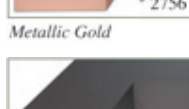
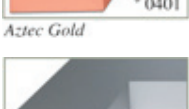
Designers, Architects and Sign pros choose injection molded Minnesota Letters for a variety of style and utilitarian reasons:

- A clean crisp look of cast metal
- Lightweight for exhibits and displays
- Ease of installation with either studs or pads
- Cost-effectiveness
- Durability to withstand any weather conditions
- Quick delivery

Standard Styles

• HELVETICA • OPTIMA MEDIUM • ROMAN • STANDARD BLOCK • TIMES BOLD

Standard Colors:

 Opaque White 5687	 Dove Grey 4310	 Grey 0209	 Black 2025	 Opaque Ivory 2718	 Beige 0207	 Safety Green 8090
 Lemon Yellow 2037	 Yellow 2000	 Citrus Yellow 0217	 Sundance Yellow 0218	 School Bus Yellow 0254	 Orange 2119	 Red-Orange 2662
 Rampart Orange 0256	 Red 2793	 Mexicali Red 0214	 Maroon 2240	 Black Cherry 2280	 Magenta 2410	 Purple 2287
 Violet Toner 0246	 Midnight Blue 2767	 Dark Blue 2050	 Medium Blue 2860	 Blue 3000	 Light Blue 2648	 Marine Reef Blue 5425
 Teal Blue 3210	 Federal Green 0259	 Emerald Green 0222	 Light Green 2108	 Dark Green 2030	 Hunter Green 2162	 Yellow Gold * 6371
 Metallic Gold * 2756	 Aztec Gold * 0401	 Copper * 0253	 Aztec Copper * 0402	 Brown 2418	 Medium Bronze * 0312	 Old Copper * 0314
 Duranodic Bronze * 3130	 Metallic Silver * 8886					

Note: Black 2025 & White 5687 are pigmented plastic, all others are painted.

* Indicates colors are standard with a matte finish.

The colors samples may not be an exact match to the actual letter but are just for reference.





GEMINI SIGN LETTERS

GEMINI FORMED PLASTIC LETTERS & LOGOS

Great signs are born when creative know-how is matched by a multitude of choices. Formed plastic letters from Gemini offer greatest variety of dimensional plastic letters available today-from traditional to ornamental and script. Letters are molded with flat, round, prismatic and sculpted faces. Each reflects light in a unique way.

Made from the finest non-oil based material, C.A.B. -these letters are guaranteed not to chip, crack or fade.

GEMINI

Gemini Formed Plastic Letters and Logos:

- Can be painted in multiple colors to replicate your design.
- are shipped in 3 business days
- use Cellulose Acetate Butyrate, a renewable resource plastic
- are excellent for Gold Leafing to give the appearance of metal
- have over 100 standard styles and 30 standard colors
- are guaranteed for life

Standard Styles

• Architectural • Arial Bold • Bengulat • Brush Script • Casion Adbold • Century Schoolbook Bold • Century Bold Condensed • Clarendon Fortune Bold • Clarion • Commercial Script • Consort • Condensed Consort • Consort Round Face • Cooper Black • Cooper Black Italic • Copperplate • Friz Quadrata • Futura • Futura Round • Futura Bold • Futura Extra Bold Italic • Garamond Bold Italic • Gil Sans Bold • Goudy Extra Bold • Helvetica • Helvetica Round • Helvetica Medium Italic • Helvetica Medium Italic Round • Helvetica Bold • Helvetica Bold Round • Helvetica Bold Italic • Helvetica Bold Extended • Helvetica Light Helvetica Medium Condensed • Italicized Script • Optima • Palatino • Roman Classic • Roman Round • Standard Block • Standard Block Round • Standard Block Condensed • Times Bold • Times Bold Round • Times New Roman • Times Bold Italic • Times Roman • Univers 67

Speciality Type

• Antique Olive Medium • Avant Garde Medium • Barnum • Barnum Classic • Bauhaus • Bodoni Italic • Caslon Adbold Round • Casual Italic Script • ClearviewOne-Bold • Comic Sans Bold • Country Gothic • Eurostyle Bold • Eurostyle Bold Ext. Italic • Garamond Bold Round • Gemco • Goudy Old Style • Herman Italic • Hoffman • Impact Round • Kabel • Lithos Bold • Microgramma Bold Ext. • Microgamma Ext. • Old English Bevel • Old English Round • Optima Semi Bold • Ribbon Deep • Roman Neo Semibold • Sculptured • Times Bold Ext. • Trajan Bold • V-Bevel • Venus

Standard Colors

									
5687 Opaque White	7138 Translucent White	2025 Black	2718 Ivory	2037 Lemon Yellow	2000 Yellow	2119 Orange	2662 Red Orange	2240 Maroon	2280 Black Cherry
									
2410 Magenta	2287 Purple	2767 Midnight Blue	2050 Dark Blue	3000 Blue	2648 Light Blue	3210 Teal Blue	2108 Light Green	2030 Green	2162 Hunter Green
									
2756 Metallic Gold	2418 Brown	3130 Duranodic Bronze	8886 Metallic Silver						

GEMINI SIGN LETTERS

GEMINI CAST METAL LETTERS AND LOGOS

Metal is as timeless as our need to communicate with words in creating signs.

At GEMINI, each metal letter is precision cast, one-by-one, in aluminum or bronze using up to twenty distinct manufacturing steps. Yet prices remain competitive because of GEMINI's tailored production processes and seasoned professionals.

GEMINI's seven metal finishes give you the choice of dazzling shine, brilliant color, or natural and antiquated metal. Combine these finishes with an extensive selection of letter styles to design signs that reflect your customer's individual image.

GEMINI CAST LETTERS AND LOGOS

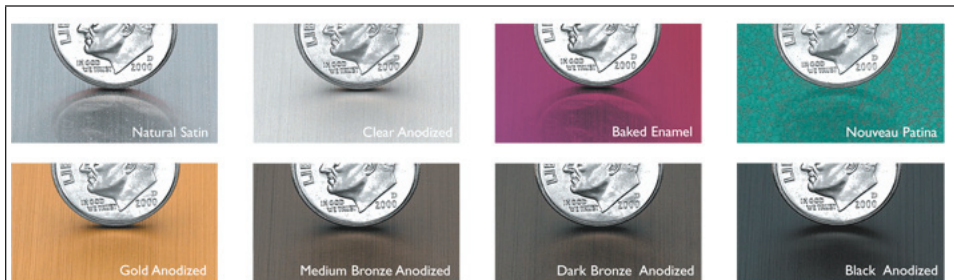
- use mercury and lead free prime ingot
- are finished by experienced craftsman eliminating all surface pits and blemishes
- create no additional scrap, as GEMINI recycles all excess materials
- are made to your specifications, and in most cases shipped within 8 business days

GEMINI Standard Cast Typestyles

- Americana Bold • Architectural • Avant Extra Bold • Avant Garde Medium • Bodoni Condensed • Clarendon Fortune Bold • Clarendon Medium • Craw Clarendon Condensed • Copperplate • Eurostyle Bold Extended • Friz Quadrata • Futura • Futura Bold • Garamond Bold • Garamond Bold Italic • Garamond Regular • Goudy Extra Bold • Helvetica • Helvetica Bold • Helvetica Light • Helvetica Medium Italic • Helvetica Bold Extended • Helvetica Medium Condensed • Kabel • Microgramma Extended • Optima Semi Bold • Optima • Palatino • Palatino Semi Bold • Ribbon • Ribbon Deep • Ribbon Condensed • Roffe • Roman Round • Roman • Standard Block • Times Bold Italic • Times Bold • Times New Roman • Trajan Bold • Twentieth Century • Univers 67 • University Roman Bold

Standard Styles and Finishes

Aluminum Finishes



BRONZE FINISHES



Standard GEMINI Baked Enamel Colors





GEMINI SIGN LETTERS

GEMINI FLAT CUT METAL LETTERS

GEMINI

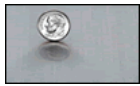
Metal offers a natural style and beauty as ancient as our desire to create. At Gemini, the waterjet cutter and computer-driven routers cut each letter to precision in Aluminum, Bronze, Brass, Copper, and Steel. These highly engineered manufacturing systems give you the opportunity to cost effectively add a matching custom rendition of your client's logo.

WATERJET CUT letters and logos are made using a fine, high pressure stream of water that carries an abrasive mineral. This fine stream cuts and allows for sharp (.020 radius) inside corners, small letters and intricate detail on logos.

ROUTER CUT letters and logos are mechanically routed out of flat metal stock. Based on the material thickness and letter size, and 1/8" - 1/4" router bits will be used. As a result, inside corners will have a slight radius.



Standard Aluminum Finishes



Natural Satin
Aluminum



Baked Enamel
Aluminum



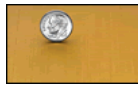
Mouveau Patina



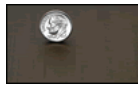
Polished
Aluminum



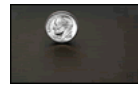
Clear
Anodized



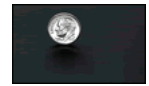
Gold
Anodized



Medium Bronze
Anodized



Dark Bronze
Anodized



Black
Anodized



Polished
Clear
Anodized



Polished
Gold
Anodized



Polished
Medium Bronze
Anodized



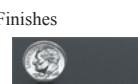
Polished Dark
Bronze
Anodized



Polished
Black
Anodized



Hot Rolled Steel Finishes
Natural
(will rust)



Flat Black



Statuary

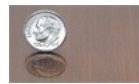


Antique

Standard Bronze Finishes



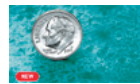
Natural Satin
Bronze



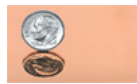
Oxidized Bronze



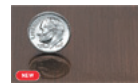
Traditional Verde



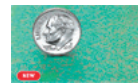
Turquoise



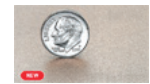
Polished Bronze



Dark Oxidized
Bronze



Bright Verde



Pewter

Brass & Muntz Finishes



Natural Satin
Brass



Polished Brass

Stainless Steel Finishes

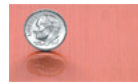


Natural Satin
Stainless
Steel



Polished
Stainless Steel

Copper Finishes



Natural
Satin Copper

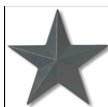


Polished
Copper

Standard Baked Enamel Colors



#5687



#4310



#0209



#2025



#2718



#0207



#8090



#2037



#2000



#0217



#0218



#0254



#2119



#2662



#0256



#2793



#0214



#2280



#2240



#2410



#2287



#0246



#2767



#2050



#2860



#3000



#2648



#5425



#3210



#0259



#0222



#2108



#2030



#2162



#6371



#2756



#0401



#0253



#0402



#2418



#0312



#0314



#3130



#8886

GEMINI

GEMINI SIGN LETTERS

GEMINI FLAT-CUT ACRYLIC LETTERS



Acrylic cut-out letters have never looked so good. Gemini's high standards begin with acrylic sheet, readily available in over 30 different colors ranging from 1/8" to 3/4" thicknesses.

Our laser cutters cut each letter with precision, capturing every detail of the style selected. These manufacturing systems are also ideal for cutting out your customers' logos and symbols cost-effectively.

Standard Colors



1.5



GEMINI SIGN LETTERS

GEMINI CHANNEL LETTERS

GEMINI

The letter that channels light so beautifully just got a whole lot better! Made for L.E.D. or Neon illumination, Gemini Channel Letters are now available in 3 different styles and 12 different sizes.

The Channel Letter's Can is injection molded from an engineering grade polymer called Artek. This material was created by Gemini to be flame retardant, recyclable and good resistance to salt, acids and oils.

The distinct advantage of the Gemini Channel Letter is that it eliminates arcing and is flame retardant, along with these advantages, the letters have passed impact strength tests from -31 degrees F. to 187 degrees F..

1.5

White 5687	STANDARD TRIM COLORS
Opaque Ivory 2718	
Pearl Grey 4272	
Dove Grey 4310	
Metallic Silver 8885	
Black 2025	
Lemon Ylw 2037	
Orange 2119	
Red 2793	
Maroon 2240	
Purple 2287	
Dark Blue 2050	
Midnight Blue 2767	
Teal 3210	
Light Green 2108	
Hunter Green 2162	
Polished Gold 2766	
Brown 2418	
Med Bronze 3120	
Duranodic Bronze 3130	
Polished Silver 8885	
Matte Silver 8884	

Clear 2222	STANDARD, TRANSL. ACRYLIC FACE COLORS
White 7328	
Ivory 2146	
Lemon Ylw 2037	
Red 2283	
Purple 2287	
Dark Blue 2114	
Lt. Blue 2051	
Green 2030	



The first trimless injection molded channel face is available in all Helvetica and Times Bold typeface sizes, precision machined to fit Gemini Channel Cans.
(Available in RED only.)

HELVETICA
ABCDEFGHIJKLMNOPQRSTUVWXYZ
TUVWXYZ &, 1234567890

HEIGHT	AVERAGE WIDTH	DEPTH	STROKE
9"*	9-3/16"	5"	2-1/4" - 2-3/4"
12"	10-1/2"	5"	2-1/4" - 2-3/4"
15"	13-1/2"	5"	2-7/8" - 3-7/16"
18"	14-1/2"	5"	3-3/8" - 4-1/8"
24"	21"	5"	4-1/2" - 5-1/2"

* Modified Helvetica to accommodate lighting options, Stroke is similar to Helvetica Bold

TIMES BOLD
ABCDEFGHIJKLMN
OPQRSTUVWXYZ &.,

HEIGHT	AVERAGE WIDTH	DEPTH	STROKE
9"*	8-3/4"	5"	1-3/4" - 3"
12"	11-3/4"	5"	2" - 3-1/4"
15"	14-1/2"	5"	2" - 3-3/4"
18"	17-3/16"	5"	2-1/4" - 4-3/4"
24"	23	5"	3" - 5-1/4"

* Modified Helvetica to accommodate lighting options, Stroke is similar to Helvetica Bold

Brush Script

ABCDEFGHIJKLMN
OPQRSTUVWXYZ &.,
abcdefghijklmnpqrstuvwxyz

HEIGHT	AVERAGE WIDTH	DEPTH	STROKE
24" Upper	24-1/2"	5"	2-1/2" - 5-1/2"
12" Lower	12	5"	2" - 3-1/2"



GEMINI SIGN LETTERS

GEMINI CHANGEABLE COPY LETTERS



Not every sign has a permanent message, but it still needs to easily read from afar. Promotional offers change, prices move up or down, movies come and go. Your message needs to attract the attention of each and every passerby - on foot or on wheels!

Gemini offers Changeable Copy products that have the versatility to meet your needs. Pronto® In injections Molded letters are designed for ever changing specials and prices. Slotted A or B and Snap-Lok® are great options for Theater Marquee look.

PRONTO CHANGEABLE COPY - Clear acrylic injection molded blanks are silk screened with ecologically sound UV inks. Gemini offers several different changeable copy products that have the versatility to meet your needs. Standard colors include Black, Red, White, Blue and Green, but custom colors are also available.

MODERN

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890.,:;-&+\$?!""'"/%

Letter Height	Panel Height	Average Panel Width
3"	3-7/8"	2-3/8"
4"	4-7/8"	3"
6"	6-7/8"	4"
8" on 9"	8-7/8"	5-1/2"
8"	9-7/8"	5-1/2"
10"	11-7/8"	6-3/4"

ADM

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890.,:;-&+\$?!""'"/%

Letter Height	Panel Height	Average Panel Width
4"	4-7/8"	3-1/2"
6"	6-7/8"	4-5/8"
8" on 9"	8-7/8"	6-3/4"
8"	9-7/8"	6-3/4"
10"	11-7/8"	7-1/2"

CONDENSED

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890.,:;-&+\$?!""'"/%

Letter Height	Panel Height	Average Panel Width
4"	4-7/8"	2-3/8"
6"	6-7/8"	3-1/4"
8" on 9"	8-7/8"	4-3/8"
8"	9-7/8"	4-3/8"
10"	11-7/8"	5-1/2"

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ALTERNATE TONED

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890.,:;-&+\$?!""'"/%

Letter Height	Panel Height	Average Panel Width
6"	6-7/8"	4-5/8"
8"	9-7/8"	6-3/4"

OPTIMA

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890.,:;-&+\$?!""'"/%

Letter Height	Panel Height	Average Panel Width
4"	4-7/8"	3-1/2"
6"	6-7/8"	4-5/8"
8"	9-7/8"	6-3/4"

AD

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890.,:;-&+\$?!""'"/%

Letter Height	Panel Height	Average Panel Width
4"	4-7/8"	3-1/2"
6"	6-7/8"	4-5/8"
8" on 9"	8-7/8"	6-3/4"
8"	9-7/8"	6-3/4"
10"	11-7/8"	7-1/2"

SLOTTED B

Marquee Letters

SLOTTED MARQUEE LETTERS - Injection molded Gemini Slotted letters offer a flatter face and sharper edge. 6" letters are 5" on center while 8" & 10" letter slots are 7" on center. These letters for use with slotted track.



GEMINI SLOTTED MARQUEE LETTERS

LETTER HEIGHT

6"
8"
10"

Available in Black &
Red

Note: Custom colors available including transparent blue and green.

SLOTTED CHANGE ARMS

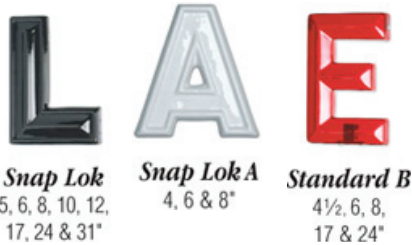
Pole Length

8'
10'
12'
14'
16'



GEMINI SIGN LETTERS

GEMINI SNAP LOK™ MARQUEE LETTERS



1.5



BAR CLIPS & RIVETS

Stainless steel clips

Aluminum clips

Aluminum Rivets

Stainless steel clips
are for stainless steel
bars only. Aluminum
clips and rivets are
for aluminum bars
only.

SNAP LOK BAR & SLOTTED TRACK

Snap Lok Clear Bar	8' Length	10' Length	12' Length
Snap Lok Stainless Steel Bar			
Snap Lok Aluminum Bar			
Slotted Plastic Track			

THEATER RATING SYMBOLS

12" SYMBOLS

G, R, X

PG

PG-13, NC-17

THX, DOLBY

Color: Black letters on clear panel

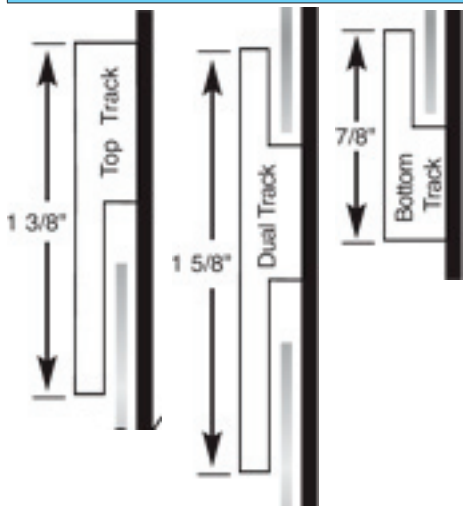
•Reverse style also available

GEMINI SNAP LOK LETTER SIZES

HEIGHT	CLIP SPACINGS
4	2-7/8"
4-1/2"	3-7/8"
5"	4-3/8"
6"	4-7/8"
8"	7"
10"	7"
12"	7"
12"	7"
17"	7"
24"	7"
31"	7"

Double clips standard on 17",
24" and 31" letters. Custom
word plates are also available.

PRONTO CHANGE ACCESSORIES



PRONTO TRACK

Clear or Black Top	Available in 8', 10', & 12' Lengths
Clear or Black Dual	
Clear or Black Bottom	
Polycarbonate Top	
Polycarbonate Dual	
Polycarbonate Bottom	



PRONTO STORAGE CABINETS

Letter Sizes	Style	Depth	Width	HEIGHT
4"	Plastic	7-1/4"	23-3/4"	17-1/2"
6"	Plastic	7-1/4"	23-3/4"	17-1/2"
8"	Plastic	11-1/2"	23-3/4"	20-1/2"
10"	Plastic	11-1/2"	23-3/4"	20-1/2"
12"	Wood	11-7/8"	23-3/4"	32"
15"	Wood	16"	23-3/4"	38-1/2"
17"	Wood	18"	23-3/4"	40-1/2"



PRONTO CHANGE ARMS

Telescoping Pole

6' to 12'

6' to 18'

8' to 24"



CHANGE ARM HEAD ASSEMBLIES AND REPLACEMENT PARTS

2" CUP	3-3/4" CUP
7" CUP	Castor Plastic Ratchet
Wire w/nut	Std. or Small Head
Double Head	Large Head

LIDCO SPECIALTY SQUEEGEES AND APPLICATION TOOLS



The Chizzler Application and Removal Tool

The Chizzler has a low profile, 1 side flat, 1 side slightly beveled and rolled edges with a center thumb spot. This One sized polycarbonate tool has proven invaluable for removing materials and applying others in tight corners. Custom rolled edges scrapes without marring.

Size: 2-5/16 x 3 inches

Colors: Fluorescent Pink and Almond



Mini Soft Spreader

The Mini Soft Spreader is a low profile, 1 side flat, 1 side slightly beveled and rolled edges with a center thumb spot. The various contours, small size, Economical Ideal for spreading soft and medium weight adhesives, sealants, resins and putty.

Size: 2.25" x 3"

Colors: Lemon Yellow.



Big Blade Large Format Remove-all Tool

- Designed to aid in the removal of LARGE pressure sensitive materials from a variety of surfaces that are easily scratched.
- Safe, Strong, plastic DOUBLE EDGED BLADE
- Strategically beveled scraping and lifting edges
- Functionally designed with a solid back for both strength and flexibility
- Removable edge protector keeps one edge clean until ready for use and provides a comfortable grip

Size: 3" x 4"

Color: Spring Green

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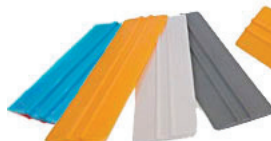


Flexi-Edge BW Series Combo Squeegees

The Flexi-Edge combo is a double edged tool originally designed for window film applications. Millions sold have proven it effective for a variety of materials: polyester film, vapor coated material, vinyl, tape, adhesives and most psa needs. The comfortable profile allows easy use of each edge, the flexibility allows for maximum conformity. Use the rigid edge for heavy applications, the thin rubber based edge for thin films, protection against tearing and scratching. Featuring low memory and low glide.

Size: BW-3: 2-1/4" x 3" BW-6: 2-1/4" x 6"
BW-4 2-1/4" x 4" BW-12 2-1/4" x 12"

Color: Black / White Combo



RC-12 Large Format Graphic Series Squeegees

The model: RC-12 is based on the industry standard. It features easy-grip stabilizing twin ribs and have the memory, glide, flexibility and durability users require. It is available in a variety of materials for a variety of applications. The materials range from poly blends to nylons and Teflon. Ideal for Large Format digital graphics.

Size: RC-12" 3" x 12" Colors: Yellow / White or Blue
RC-12" 3" x 12" Nylon Silver
RC-12" 3" x 12" Teflon White



RC-6" Large Format Graphic Series Squeegees

The industries original, application tool & squeegee. Featuring high-stability twin ribs for easy handling and pressure control. With a true "I.M" edge, strong memory, medium flex and high glide. Ideal for vinyl, film, graphics, tape, silk screen, and pressure sensitive applications.

Sizes and colors: RC-6-W 3" x 6" White
RC-6-B 3" x 6" Blue
RC-6-Y 3" x 6" Yellow
RC-6-Nylon 3" x 6" Silver
RC-6-T 3" x 6" White Teflon



Low-Profile Squeegee / Spreader

This extremely soft and flexible tool is larger than normal size, with a flat, low profile that lets the user apply a variety of soft materials. Ideal for the laying up and spreading of viscous materials as well as pulling them around interior curves. Featuring two corner configurations, a flat edge and a wide sweeping curved edge. This squeegee works well with films, tapes, psa, and vinyls. High flex, medium to low memory and high glide.

Sizes & Color: 3-1/2" x 5-1/2" Yellow PSY

"Econo-Line PA-Y Series" Squeegee

A high quality, low-profile, poly-flow blend, economical squeegee. Featuring a true "I.M" edge, with mid level memory, high flexibility and high glide. Ideal for light to medium weight graphic film, vinyl, tape, silk screen, and pressure-sensitive applications.

Size: 2-3/4" x 4"

Colors: "Osha-Orange" or White

"RC4 N Nylon & RC4 T Teflon Series" Heavy Duty Squeegee

The new Teflon is extremely rigid. Helps eliminate cupping. The Teflon will not allow cyanoacrylates (super glue) as well as other industrial adhesives to adhere to its blades.

Size: 3" x 4"

Colors: White

Materials: Poly, Nylon and Teflon blends



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RSCC6" Large Format Graphic Series Squeegee	"Industry Standard RC-4" Series Squeegee	RC-4 Nylon Silver & RC-4 Nylon Gold Heavy Duty Series "THE GOLD"
The industries original, application tool & squeegee. Featuring high-stability twin ribs for easy handling and pressure control. With a true "I.M." edge, strong memory, medium flex and high glide. Ideal for vinyl, film, graphics, tape, silk screen, and pressure-sensitive applications.	The industries original, application tool & squeegee. Featuring high-stability twin ribs for easy handling and pressure control. With a true "I.M." edge strong memory, medium flex and high glide. Ideal for vinyl, film, graphics, tape, silk screen, and pressure sensitive applications.	The originators for the highest durability nylon base squeegees and applicators, Lidco is the OEM for Silver, Gold, and other custom based nylon-blend applicators. The "Nylon-Plus" squeegees outlast other squeegees depending on the users application material. Featuring high-stability twin ribs, a true "I.M." edge., maximum memory, low-flex and high glide. This squeegee is ideal for most medium and heavy weight films, graphics, vinyl, tapes, silk screen and psa needs.
Size: 3" x 6"	Size: 3" x 4"	Size 3" x 4"
Colors: Yellow, Blue, White, and Nylon Silver	Colors: Specific to type of material	
Options: Usable with EZ Grip handle & low friction sleeves.	Options: Usable with EZ Grip Handle & Low Friction Sleeves	



Felt Edge Wrapped Squeegee	Low Friction Felt Squeegee Sleeves	E.Z. Grip Squeegee Handles
A unique combination of Lidcos "Industry Standard" hard card firmness combined with a soft, smooth, supple industrial felt edge. Helps protect vinyl from marring and scratching. Saves time and money by frequently eliminating the need to "wrap" a squeegee, or using premask.	Reusable low friction felt sleeves in sizes to fit 4", 6" and 12" small and large format squeegees. Economical as they provide multiple clean new edge surfaces by simply rotating the sleeve around the squeegee. The soft, smooth, supple felt along with the inner hard card helps maintain the integrity of the graphics. Great for digital prints and specialty vinyl. Cleans in advance of pressuring much like a brush on a printer. Terrific on dry applications	Unique patented design created by sign and graphic professional for all day use. Lightweight yet adds needed rigidity to squeegee edges. Ergonomical design allows for full blade pressure and contact with less wrist strain. End Caps and internal fins keep the non-used blade clean and secure. Priced sensibly to allow multiple installers to have one of each size in their tool kit. Designed for easy squeegee blade replacement. 3 industry standard sizes to choose from.
Size 3" x 4", 3" x 6", 3" x 12"	Sizes: 3.25" x 4", 3.25" x 6", 3.25" x 12"	Sizes: 1.375" x 4", 1.375" x 6", 1.375" x 12"
Colors: Black felt on Yellow, Blue, or White	Colors: White	Colors White with Black End Caps



3M Tapes and Accessories

4016 Double Coated Urethane Foam Tape	3M™ 4008 Double Coated Urethane Foam Tape
3M™ Double Coated Urethane Foam Tape is a off-white, 1/16" thick open cell urethane foam flexible carrier with high shear, high temperature resistant acrylic adhesive. Use to fill gaps and bond irregular surfaces. Distributes stress uniformly over bonded area. Apply by hand or with dispenser.	3M™ Double Coated Urethane Foam Tape is a 1/8" thick, open cell urethane foam flexible carrier with high shear, high temperature resistant acrylic adhesive. Use to fill gaps and bond irregular surfaces. Distributes stress uniformly over bonded area. Apply by hand or with a dispenser.
Width: 1/2", 3/4", 1"	Widths: 1/2", 3/4", 1"
Length: 36 yards	Length: 36 yards
4032 Double Coated Urethane Foam Tape	3M™ 4432W Double Coated Vinyl Foam Tape
3M™ Double Coated Urethane Foam Tape is a off-white, 1/32" thick open cell urethane foam flexible carrier with high shear, 100 high temperature resistant acrylic adhesive and 3.0mil, 62 lb densified kraft liner. Use to fill gaps and bond irregular surfaces. Distributes stress uniformly over bonded area.	4432W is a 1/32" thick, closed cell vinyl foam carrier with 430 acrylic adhesive and 3.0 mil, 62 lb densified kraft liner. Medium solvent resistance. High relative adhesion to HSE plastics and low adhesion to LSE plastics. Good cushion, conformable, flexible, weather resistant with internal foam strength. Use for mounting indoor signs, nameplates and wall corner protectors to irregular surfaces.
Widths: 1/4", 3/8", 1/2", 3/4", 1", 1-1/2"	Widths: 1/2", 3/4", 1"
Length: 72 yards	Length: 72 yards



Scotch® Fine Line Tape 218

Polypropylene film with special processed backing that allows taping over freshly painted acrylic lacquer or enamel surfaces sooner and with less chance of Imprint damage. Provides finest color separation line possible in multi-color striping jobs. Green, 4.7 mil polypropylene plastic film tape with rubber adhesive. A high performance film backed tape with low profile and high adhesion to achieve excellent paint line and for other masking and holding application.

Widths: 1/8", 3/16", 1/4", 3/8", 1/2", 3/4", 1"

Length: 60 yards



3M™ Tartan™ General Purpose Masking Tape 5142

Tartan™ General purpose masking tape is designed for non-critical painting and utility applications. It should be removed within four hours and should be applied to wallpaper, unpainted wallboard or ceiling tile.

Widths: .70", 1.41", 1.88", 2.83"

Length: 60 yards



3M™ VHB™ Acrylic Foam Tapes

Greater design flexibility: VHB tapes are virtually invisible when applied between mated parts. Surfaces remain smooth and clean. These resilient tapes conform nicely to contoured surfaces and some are excellent for filling surface irregularities and gaps. They also distribute stress over the entire bond area to permit the use of lighter, thinner, more flexible and less expensive construction methods. VHB tapes provide continuous contact over mated surfaces. This eliminates stress points, helps improve fatigue resistance and provides a better seal against environmental conditions. VHB tapes also help prevent galvanic corrosion, compensate for thermal expansion between bonded parts, dampen vibration, reduce noise. They resist moisture, solvents and UV light, too, which makes them ideal for demanding exterior applications.

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5925 3M™ VHB Acrylic Foam Tape	5952 3M™ VHB Acrylic Foam Tape	4905 Clear 3M™ VHB Acrylic Foam Tape	4910 Clear 3M™ VHB Acrylic Foam Tape	4920 White 3M™ VHB Acrylic Foam Tape
This 25 mil VHB tape expands your options. You can still easily bond to clean aluminum and steel, but now you can also readily bond painted metal and plastic throughout a sign with little or no surface priming or abrading. Special formulation also bonds on contact to most paints and powder coats, and to hard-to-bond plastics such as acrylic, polycarbonate, and high temperature co-polyester.	VHB tape 5952 expands your options. You can still easily bond to clean aluminum and steel, but now you can also readily bond painted metal and plastics throughout a sign with little or no surface priming or abrading. Special formulation also bonds on contact to most paints and powder coat, and to hard-to-bond plastics such as acrylic, polycarbonate, and high temperature co-polyester.	20.0 mil., clear, closed cell acrylic foam carrier with film liner and an acrylic adhesive. Use to join transparent material and replace rivets, screws and other mechanical fasteners.	40.0 mil., clear closed cell acrylic foam carrier with film liner and an acrylic adhesive. Use to join transparent material and replace rivets, screws and other mechanical fasteners.	15.0 mil., white closed cell acrylic foam carrier with film liner and all purpose adhesive. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C.
Widths: 1/4", 1/2", 1"	Widths: 1/2", 3/4", 1"	Widths: 1/2", 3/4", 1"	Widths: 1/2", 3/4", 1"	Widths: 1/2", 3/4", 1"
Length: 72 yards	Length: 36 yards	Length: 72 yards	Length: 36 yards	Length: 72 yards

4929 Black 3M™ VHB Acrylic Foam Tape	4930 White 3M™ VHB Acrylic Foam Tape	4932 White 3M™ VHB Acrylic Foam Tape	4936 Gray 3M™ VHB Acrylic Foam Tape	4941 Dark Gray 3M™ VHB Acrylic Foam Tape
25.0 mil., thick black closed cell acrylic foam carrier with film liner and all purpose adhesive. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C.	25.0 mil., thick white closed cell acrylic foam carrier with printed paper liner and an acrylic adhesive. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C.	25.0 mil., thick white closed cell acrylic foam carrier with synthetic adhesive and printed paper liner. Good adhesion to polypropylene and powder paints.	25.0 mil., thick closed cell acrylic gray foam carrier with printed paper liner and an acrylic adhesive. Conformable, good adhesion to painted metals and plasticizer resistant. UL listing 746C.	45.0 mil., thick closed cell dark gray acrylic foam carrier with paper liner and an acrylic adhesive. Conformable, good adhesion to painted metals and plasticizer. UL listing 746C.
Widths: 1/4", 1/2", 1"	Widths: 1/2", 3/4", 1"	Widths: 1/2", 3/4", 1"	Width: 1/2", 3/4"	Width: 1/2", 3/4", 1"
Length: 72 yards	Length: 72 yards	Lengths: 72 yards	Length: 72 yards	Length: 36 yards



4945 White 3M™ VHB Acrylic Foam Tape	4946 White 3M™ VHB Acrylic Foam Tape	4949 Black 3M™ VHB Acrylic Foam Tape	4950 White 3M™ VHB Acrylic Foam Tape	4951 White 3M™ VHB Acrylic Foam Tape
45.0 mil., thick white closed cell acrylic foam carrier with paper liner and an acrylic adhesives. Plasticizer resistant. UL listing 746C.	Excellent for attaching vinyl trim, vinyl extrusions to window frames and bonding preprinted truck and trailer skins	45 mil., thick black closed cell acrylic foam carrier with all purpose adhesive and film liner. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C.	45 mil., thick white closed cell acrylic foam carrier with all purpose adhesive and paper liner. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C	45.0 mil., thick closed cell acrylic foam carrier with film liner and an acrylic adhesive. Can be applied as low as 32 degrees F. UL listing 746C.
Width: 1/2", 3/4", 1", 2"	Width: 1/2", 3/4"	Width: 1/4", 1/2", 3/4", 1"	Width: 1/2", 3/4", 1", 2"	Width: 1/2", 3/4", 1"
Length: 36 yards	Length: 36 yards	Length: 36 yards	Length: 36 yards	Length: 36 yards

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4952 White 3M™ VHB Acrylic Foam Tape	4955 White 3M™ VHB Acrylic Foam Tape	4959 White 3M™ VHB Acrylic Foam Tape
45.0 mil., thick closed cell acrylic foam carrier with paper liner and a synthetic adhesive. Good adhesion to polypropylene and many powder paints.	80.0 mil., thick white closed cell acrylic foam carrier with all purpose acrylic adhesive with film liner. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C.	120.0 mil., thick white closed cell acrylic foam carrier with all purpose acrylic adhesive with film liner. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C.
Width: 1/2", 1"	Width: 1/2"	Width: 1"
Length: 36 yards	Length: 36 yards	Length: 36 yards



8908 3M™ Woodgrain and Stripe Adhesive Remover 1 lb 2 oz Net Wt.

Cleans off adhesive residue after woodgrain vinyl or vinyl stripes have been removed. Fast-acting remover can be used on all acrylic enamel painted metal surfaces. Jelly-like consistency keeps remover in place on vertical surfaces to promotes fast action when sprayed from an aerosol can. Saves on repair and repaint of metal surfaces.



8907 3M™ Woodgrain and Stripe Remover 1 lb. 2 oz. Net Wt.

For removing woodgrain vinyl and vinyl stripes from acrylic enamel surfaces. Jelly-like consistency keeps remover in place on vertical surfaces to promote fast action when sprayed from the aerosol can. Saves on repair and repaint. For removal of adhesive residue follow up with use of 3M™ 8908 Woodgrain and Stripe adhesive remover.



8984 3M™ General Purpose Adhesive Cleaner 1-Quart

Specially blended solvent which provides easy cleanup of most types of adhesives, bugs, greases and oils, overspray, silicone, waxes and tars. Will not harm most thoroughly cures automotive paint, vinyl or fabrics when properly used.

3M™ Tape Primer 94

3M™ Tape Primer 94 can be used to promote adhesion of 3M tapes to surfaces such polyethylene, polypropylene, ABS, PET/PBT blends, concrete, wood, glass, metal and painted metal surfaces.

3M™ Edge Sealer 3950

Use this product to seal exposed edges of compatible films to help prevent the film from lifting due to environmental exposure or cleaning.



3M™ Super 77 Spray Adhesive

When a fast, aggressive tack for bonding lightweight materials is required, the 3M Super 77 Spray adhesive delivers. Choose this adhesive when attaching insulation to sheet metal, attaching wire diagrams, bonding gaskets in water pumps or bonding thin decorative films, foils or fabrics.



3M™ Repositionable Spray Adhesive 75 Aero-sol Can Clear 16 oz.

This adhesive provides tape-like bonds on many lightweight materials. It adheres in seconds, yet has an extra-long tack range that allows you to lift and reposition materials. Excellent for production line work where parts are held in place temporarily prior to final assembly. Bonds paper, cardboard, acetate, foil, fabrics, sheeting, etc. Clear in Color



3M™ 90 Hi-Strength Adhesive

The 3M 90 Hi-Strength Adhesive is the fast, secure way to bond decorative laminate. The high contact strength of this adhesive ensures that it will adhere polyethylene and polypropylene to wood, metal and more. This easy to use aerosol dries in just one minute and provides a low-misting lace spray for accurate applications.

3M™ Citrus Base Cleaner

Remove grease, dirt, oil and adhesive overspray from equipment with this heavy-duty, multi-purpose citrus-scented cleaner. Easily softens adhesive tape residue for a complete cleaning job. This cleaner is non-corrosive and available in aerosol or spray pump.



3M™ Sandblast Stencil - Hand-Cut Splice Free 510

45.0 mil., (1.1 mm) light green rubber backing with rubber adhesive and easy-release clear film liner. Hand-cut, single liner format.

Widths: 12.5" , 18.75" , 25" , 30"

Lengths: 10 yards



3M™ Sandblast Filler 2 Light Beige Gallon

Light beige rubber based coatings used to fill low areas and helps increase the adhesion of 3M™ Sandblast Stencils to stone monument surfaces during the sandblasting process. Typically used on smooth or polished surfaces.



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3M™ RBA-1 Rivet Brush Applicator

This tool makes it easier to apply graphics over rivets.

3M™ RBA-3 Power Grip Rivet Brush Applicator

Burnish film over rivets with ease because this tool's large handle grip is comfortable and encourages full are movement, The stiff bristles allow you to burnish film over rivets faster. This applicator tool is approved for use with all 3M graphic films

3M™ SA-1 low Friction Sleeve

This reusable paper sleeve slips over the PA-1 applicators to protect film or other surfaces from marking and scratches.

3M™ PA1-G Gold Hand Applicator

This reusable squeegee-type applicator is constructed of durable vinyl. When hand applying film or premask, it is the perfect solution for smooth substrates.

3M™ PA1-B Blue Hand Applicator

This inexpensive, reusable squeegee-type applicator is flexible yet durable. When hand applying film or premask, this tool is the perfect solution for FRP or other textured surfaces.

3M™ Prespacing Tape SCPS-2

This Prespace tape is specially formulated for use with large format screen printed and electronically cut graphics to ease the application of small text.

Widths: 2" , 4" , 6" , 8" , 12" , 14" , 24" , 30" , 36" , 48"

Lengths: 100 yards & 250 yards (48" width only)

3M™ Premasking Tape SCPM-3

This premask, specially formulated for large format, screen printed and electronically cut graphics, eases application of larger graphics to substrates. It has a unique low-tack adhesive.

Widths: 24" , 36" , 48" , 60"

Lengths: 100 yards & 250 yards (48" widths only)



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Ultra® Standard				Ultra® Premium			
Product Number	560U	582U	592U	Product Number	760U	782U	792U
Product Description	Designed for use over ready to apply graphics, this sign maker's application tape delivers important benefits: • Trouble-free stacking and storage • Improved adhesion to liner • Reduced wrinkling, tunneling and edge lift • A more professional, profitable job			Product Description	Thanks to superior adhesive technology, specially designed for use over screen printed decals, this premium paper premask delivers important benefits: • More dimensional stability and humidity resistance • Trouble-free stacking and storage • Reduced wrinkling, tunneling and edge lift • Less handwork - minimal or no heat vacuum needed • A more professional, profitable job		
Tape Thickness PSTC-33 (mils)	4.3	4.3	4.3	Tape Thickness PSTC-33 (mils)	5.4	5.4	5.4
Adhesion to Steel PSTC-101	9 Low	11 Med	15 High	Adhesion to Steel PSTC-101	11 Low	13 Med	16 High
Elongation PSTC-31 (%)	3%	3%	3%	Elongation PSTC-31 (%)	14%	14%	14%
Tensile Strength PSTC-31 (lbs./in.)	20	20	20	Tensile Strength PSTC-31 (lbs./in.)	21	21	21
Typical Uses	• One-piece decals >12" in one dimension	• Pre-spaced lettering 2"-12" high • Small one piece decals • Mid-size line striping	• Pre-spaced lettering <2" high • Fine line striping • 4-color process printing • smooth top-coated decals • Thermal die cuts	Typical Uses	• Large One-piece decals • Decals which must conform over irregular surfaces	• Decals <12" in one dimension including striping • Pre-spaced lettering 2"-12" high	• Large Top-coated decals • 4-color process printed decals • Very small pre cuts lettering • Intricate Logos • Fine line striping

Ultra® Clear			Specialty Papers			
Product Number	1310	1320	Product Number	6798	6882	PM-12
Product Description	Unique clear film backings with a custom formulated adhesive for decal transfer and pre-spacing. Used where precise registration is required for multiple color overlays Provides important benefits, including superior adhesion to liner, Ultra high clarity and increased quick-stick for fast transfer of graphics		Product Description	6798 - A heavyweight paper coated with extra tacky adhesive for use on highly textured vinyls, fabrics or slick clear coated decals. UV Screen Print 6882 - A premium grade paper tape that provides stability. Adheres to textured and smooth surfaces and release cleanly after installation. Perfect for UV screen printed decals and large format digital graphics. Pallet Mask PM-12 - Self-adhesive pallet/platen mask for use on print surfaces of textile screen print equipment Extends pallet life, eliminates need for cleaning solvents and reduces downtime for pallet clean-up		
Tape Thickness PSTC-33 (mils)	3.8	3.8	Tape Thickness PSTC-33 (mils)	5.6	5.7	4.3
Adhesion to Steel PSTC-101	10 Med	19 High	Adhesion to Steel PSTC-101	28	14	11.5
Tensile Strength PSTC-31 (lbs./in.)	11	11	Tensile Strength PSTC-31 (lbs./in.)	16	21	20
Elongation PSTC-31 (%)	716%	716%	Elongation PSTC-31 (%)	5%	14%	3%
Typical Uses	• Pre-spaced lettering 2-12" high • Decals or lettering <12" in one dimension • Fine line striping	• Pre-spaced lettering <12" high • Heavily weeded, thermal die cut decals	Typical Uses	• Highly textured vinyls • High gloss urethane top-coated vinyls • 4-color process printing	• One piece decals • 4-color process printing • Weeded spot color	• Simplify clean-up • Compatible with solvent or water borne adhesives • Can be used with flash cure units

FAIRGATE RULES AND SCALES

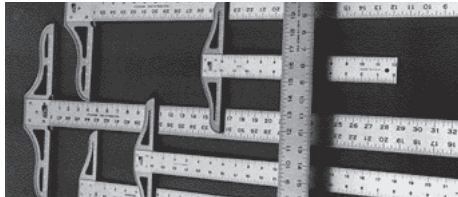
Fairgate rules and scales are manufactured from the highest quality hard, tempered aluminum to provide years of reliable service. These precision tools resist breaking and they are light for comfortable use and easy portability. Fairgate rules and scales meet the highest standards of accuracy and feature easy-to-read calibrations and smooth, true edges. All rules of 144" or less are of one piece construction.

Standard Straight Edge Rule

Calibrated two edges, one side

Heavy-Duty T-Squares

Heavy gauge aluminum, wide blade and full 14" head combine to make a tool that withstands the toughest use. Blade calibrated two edges, one side, head calibrated left and right from center point, bottom edge one side.

Product Number	Length x Width	Calibrations	Product Number	Blade Length x Width	Calibrations (Blade)	Calibration (Head)
20-106	6" x 3/4"	16ths, 32nds	60-124	24" x 2"	8ths, 16ths	8ths
20-112	12" x 7/8"	8ths, 16ths	60-130	30" x 2"		
20-118	15" x 1-1/4"		60-136	36" x 2"		
20-124	18" x 1-1/4"		60-142	42" x 2"		
20-130	24" x 1-1/4"		60-148	48" x 2"		
20-136	30" x 1-1/2"		60-160	60" x 2"		
20-137	36" x 1-1/2"		60-172	72" x 2"		
20-144	144" x 2"		8ths, 16ths	60-196	96" x 2"	
20-145	45" x 1-1/2"					
20-148	48" x 2"					
20-160	60" x 2"					
20-172	72" x 2"					
20-184	84" x 2"					
20-196	96" x 2"					

45/45/90 Triangles

Multi-purpose tool with incremented edge and built-in circle template. Excellent for both ruling and cutting. Calibrated one edge, one side.

30/60/90 Triangles

Multi-purpose tool with incremented edge and built-in circle template. Excellent for both ruling and cutting. Calibrated one edge, one side.

Product Number	Length	Calibration	Circle Template Size Range (#)	Product Number	Length	Calibration	Circle Template Size Range (#)
71-106	6"	1/16ths	1/32" - 31/32" (20)	70-108	8"	1/16ths	1/32"-31/32" (20)
71-108	8"			70-110	10"		
71-110	10"			70-112	12"		
71-112	12"		1/16" - 1-3/8" (26)	70-114	14"		1-16" - 1-3/8" (26)
71-114	14"			70-116	16"		
71-116	16"			70-118	18"		
71-118	18"			70-124	24"		
71-124	24"						

