



# NB HOME

Design & Quality  
**Nordblast**

## 1. Congratulations for a perfect choice

Nordblast NB Home Sodablastering Gun is an amazingly handy and versatile tool for both professionals and hobbyist. Experience the miracle of sodablastering at home or workplace, and marvel at its convenience for cleaning a great variety of items.



**The sodablastering gun removes mould and other kinds of dirt from your old wooden garden furniture.**

The Sodablastering Gun can access places that are almost impossible to grind with sandpaper. In this manual, read about all the things you can do with your Sodablastering Gun and start working.

## 2. What is sodablastering?

Soda can be used for many different refurbishing jobs and for a great variety of tasks in your everyday life. Sodablastering is a gentle method for applications where sand or other traditional blasting media cannot be used. Soda neither damages glass, rubber or chrome, nor heats or stretches the sheet metal. Using soda, you can remove paint, impurities, mould and grease from many kinds of objects. Soda is an environmentally friendly choice that is soluble in water. This makes it easier to clean up afterwards.

## What is sodablastering?

Sodablastering is a process for removing paint or contaminants from fragile surfaces. When performed correctly, the blasting has very little effect on the original surface, but just removes the paint or dirt and leaves the base in its original condition. The idea of blasting with soda involves directing a mix of air and soda at the target at a pressure of about 3-10 bar. The structure of the soda particle decomposes easily when it comes into contact with a hard surface. The energy released in this decomposition removes the paint or dirt. Despite the disintegration of the particles, the sodablastering method is very gentle. For example, it neither heats nor stretches sheet metal at all. The disintegration takes place at a very low temperature, because the melting point of soda is just 50 degrees centigrade.



**Stripping paint from a museum-registered car using sodablastering is a gentle process that neither stretches nor heats the metal surface.**

The chemical name of soda is Sodium Hydrogen Carbonate ( $\text{NaHCO}_3$ ). It is a white powder that is easily soluble in water. When coming in contact with the surface to be blasted, the sodium hydrogen carbonate decomposes into sodium bicarbonate, carbon dioxide and water. This is why soda cannot be reused for blasting purposes, but can only be used once. Blasting soda is practically the same as the baking soda

that is commonly available on supermarket shelves – only with a larger grain size. With a pH value of 8.6, blasting soda is nearly neutral in terms of acidity, which means it is very environment-friendly.

### 3. What can the device be used for?

Soda and sodablasting can be applied in many different ways, and new fields of application are found almost every day! Because soda is a gentle blasting medium, you can try it on new objects pretty freely, but you still need to be careful. Whether for restoring your house, furniture, old cars, mopeds, tractors, or boats – sodablasting is just the right choice for you. Sodablasting is ideal for removing old paint, varnish, mould, grease or other stains in a gentle and environmentally friendly way.



**Preparing a surface for painting: the old paint is easily cleaned away using the sodablasting gun.**

Using the NB Home Sodablasting gun, you can easily blast paint and grease from all kinds of surfaces; for example, mopeds, cars, tractors, motorcycles or work machines. You can blast items that contain electric cables, hydraulic hoses, plastic or glass or have these in their vicinity without causing damage. Sodablasting also cleans dirt and grease from engine components with ease!



**Sodablasting is ideal for gently removing paint or varnish from old furniture.**

Despite all its incredible features, soda is not suited to every kind of job. Sodablasting is not suited to removal of rust. Sodablasting neither grinds nor wears metal, so it cannot be applied for removal of rust.

Sodablasting takes more time than traditional blasting methods, but it certainly leaves a finer finish, and of course, for a variety of applications rougher and harder blasting methods are simply not applicable.



## 4. Using the device and the essential requirements

Keep in mind the personal protection measures that are required when working with the NB Home Soda Blasting Gun. NB CleanBlast soda can be harmful if inhaled as dust. That is why it is recommended that respiratory protection (P2), eye protection, ear protection and gloves always be worn during blasting, Never blast towards people or animals!



**Paint and varnish are easy to remove from aluminium rims using a soda-blasting gun.**

Like many other blasting methods, soda-blasting generates dust. So, consider where you should blast carefully and, if necessary, protect the surroundings from spreading dust. For example, when blasting indoors prevent the dust from spreading into neighbouring rooms. Always wear respiratory protective equipment.

Minimum requirements for operation of the device: You will need an air compressor with a capacity of at least 180 l.p.m., the NB Home Sodablasting Gun, and dry NB CleanBlast cleaning and blasting soda. Note! Wet or moist soda can clog the device and cause a malfunction. Always store the soda in a dry place. If the soda has absorbed moisture and lumped, you can still use it for blasting or cleaning, provided that you crush the lumps and screen the soda carefully.

### Using the device:

1. Remove the NB Home Sodablasting Gun from its packing and detach the soda container by twisting it counter-clockwise. Fill the container with dry NB CleanBlast cleaning and blasting soda and attach the container to the body of the gun by twisting it clockwise.
2. Connect the air hose from the compressor to the NB Home Sodablasting Gun.
3. Start the compressor and adjust the pressure to the required value. Start at a low pressure and increase the pressure as required by the job in hand.
4. Press the grip of the gun all the way down, and find the right flow of soda by adjusting the nozzle. Remember that the amount of soda should be neither too low nor too high – test it by directing the blast first onto some less visible part of the work piece. Once you have got the right flow of soda, lock further adjustment of the nozzle by turning the locking ring.



**Primer is easily removed from the hull of a boat by means of the sodablasting gun without damaging the Gelcoat surface.**

5. When blasting your work piece, you can improve overall performance of the work and the result by adjusting the pressure, the distance and the amount of soda.
6. Upon completion of the blasting, you can

clean soda dust off the work piece with a jet of compressed air or by vacuuming. After that, you can also rinse it with water, because soda is water soluble. If your work piece is to be painted after the blasting, it is a good idea to clean it thoroughly before painting.



**The sodablaster gun facilitates easier restoration of old window frames without damaging the glass.**