Printing systems and software – Plotter systems EMS

Plotter system EMS-2

A system that fulfils a wide variety of marking and labelling requirements! The EMS Easy Marking System series features excellent versatility and ease of use.

- Generous loading capacity: up to 800 markers for the EMS-2 DIN A3 with 4 inlays; up to 400 markers for the **EMS-2 DIN A4** with 2 inlays. Short loading times for various materials, thanks to fast and straight-
- forward exchange of inlays and automatic inlay recognition
 The accompanying labelling software, **CONTA-Sign**, is available in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish)
- Free software updates can be downloaded from our web page
 High-quality labelling is ensured by the combination of our PP and
- PPE pens and the double-sided plotter arm design.
 Just one inlay for all CONTA-CLIP Maxicards
- · Automatic calibration eliminates the need for manual adjustments

Туре

Type Cat. no.

Technical data for DIN A3 plotter

Printer type	F
Drive	T
Intended use	Р
Max. marker height	1
Max. plotting area	D
Command language	В
Max. plotting speed	4
Max. printing speed	8
Dimensions (WxHxD)	6
Weight	A
Supply voltage	1
Interfaces	C
Pen station	Ν
Inlays	N
Ambient temperature	1

EMS-2 Starter Kit DIN A3 1 x EMS-2 Easy Marking System DIN A3 (1610.0)

1 x plotter inlay CCI-10 (1606.0)

1x disposable plotter pen PPE 0.35 (1651.0)

Plotter (DIN A3), power pack, connecting cable (parallel cable and USB cable for connecting the plotter to a PC), software: CONTA-Sign CS in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish). Runs on Windows: 2000, XP, Vista, 7

CONTA-CONNECT

Qty.

1612.0

EMS-2

Flat bed plotter
Two-phase step motor
Printing markers of various materials and sizes
10.5 mm, custom solutions up to 15 mm
DIN A3, 440 x 305
Based on HP-GL
40 cm /sec.
80 mm /sec.
660 x 125 x 440
Approx. 8 kg
100-240 V AC 50-60 Hz
Centronix / USB Level 1.1
Max. 4 plotter pens
Max. 4 pieces
10°C35°C

Qty. EMS-2 Starter Kit DIN A4 1 x EMS-2 Easy Marking System DIN A4 (1631.0) 1 x plotter inlay CCI-10 (1606.0) 1x disposable plotter pen PPE 0.35 (1651.0) Plotter (DIN A3), power pack, connecting cable (parallel cable and USB cable for connecting the plotter to a PC), software: CONTA-Sign CS in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish). Runs on Windows: 2000, XP, Vista, 7 9800.0 Flat bed plotter Two-phase step motor Printing markers of various materials and sizes 10.5 mm, custom solutions up to 15 mm DIN A4, 220 x 305 Based on HP-GL 40 cm /sec. 80 mm /sec. 450 x 125 x 440 Approx. 6 kg 100-240 V AC 50-60 Hz

Centronix / USB Level 1.1

Max. 4 plotter pens

Max. 2 pieces 10°C...35°C

Cat. no.

Printer type Drive

Intended use

Weight

Inlays

Interfaces Pen station

Max. marker height

Max. plotting area

Command language

Max. plotting speed

Max. printing speed

Supply voltage

Dimensions (WxHxD)

Ambient temperature

Туре

Туре

	ng-System Plotter	EMS-eco
	wide variety of marking and labelling requirements! in our EMS Easy Marking System series stands out	
for the impressive vers	satility and user-friendliness fitted into its small size.	
	apacity (up to 400 markers with 2 inlays) for various materials, thanks to fast and straightfor-	
	lays and automatic inlay recognition	
 The accompanying I 	labelling software, CONTA-Sign , is available in ten	
Polish, Russian, Swee	, English, French, Spanish, Hungarian, Italian, Dutch dish)	
 Free software update 	es can be downloaded from our web page	
	g is ensured by the combination of our plotter pens d plotter arm design.	
	CONTA-CLIP Maxicards	
Automatic calibration	n eliminates the need for manual adjustments	
Туре		Qty.
Туре		EMS-eco Starter Kit DIN A4
.) -		1 x EMS-eco Easy Marking System DIN A4 (1611.0)
		1 x plotter inlay CCI-10 (1606.0)
		1 x disposable plotter pen PPE 0.35 (1651.0)
		Plotter (DINA4), power pack, connecting cable (USB cable for connecting the plotter to a
		PC), software: CONTA-Sign CS in ten languages (German, English, French, Spanish,
		Hungarian, Italian, Dutch, Polish, Russian, Swedish), 2000, XP, Vista, 7
Cat. no.		1613.0
Technical data		
Printer type		Flat-bed plotter
Drive		Two-phase step motor
Intended use		Printing markers of various materials and sizes
Max. marker heigh	ht	10.5 mm, custom solutions up to 15 mm
Max. plotting area		DIN A4, 220 x 305
Command langua		Based on HP-GL
Max. plotting spee	ed	40 cm /sec.
Max. printing spee	ed	80 mm /sec.
Dimensions (WxH	xD)	440 x 125 x 440
Weight		approx. 6 kg
Supply voltage		100-240V AC 50-60 Hz USB Level 1.1
Interfaces Pen station		
Inlays		Max. 2 pieces
Ambient temperat	ture	10°C35°C
	; (DIN A3, DIN A4, eco) Type	Short description Otv.
Cat. no. 1630.0	Pressure ball	Short description Qty. The pen is re-activated by means of negative pressure following a refill or a longer period of non-use.
1595.0	TP (5x1 ml)	Ink cartridge for the PP plotter pen (the etching ink is quick-drying, smudge-proof, non-fading as well as
107010		resistant to spirits and benzene when used with suitable plastic materials). The use of cartridges eliminates the need to re-fill the ink.
1614.0	TPP (5x1 ml)	Ink Cartridge Paper for PPP (Plotter Pen Paper) for printing on paper 1
1597.0	CC-1	Cleaning container (reusable cleaning container for PP) 1
1598.0	PC-1	Pen cleaner (for cleaning two PP plotter pens).
		Two new clip-seal caps are included.
1648.0	Protective dust cover EMS-2 DIN A3	For EMS-2 A3 1
1687.0 1658.0	Protective dust cover EMS-2 DIN A4 Visual calibration tool	For EMS-2 A4 and EMS eco 1 Visual calibration aid for the EMS 2 (DIN A2 and DIN A4)
1647.0	Service Set EMS-2	Visual calibration aid for the EMS-2 (DIN A3 and DIN A4) 1 Four exchangeable sealing inserts (for pen station), installation key and ten exchangeable tags 1
	or EMS plotter (DINA3, DIN A4, eco)	i ou olerangeable searing inserts (for pertistation), instantation key and ten excitatigeable tags
1621.0	EMS engraving unit	Engraving module for EMS-2 plotter including: spindle, controller, vacuum cleaner and 0.4-mm graver. This addi-
	5 5	tion extends the EMS plotter so it can be used as an affordable engraving tool for aluminium or plastic.
Engraving unit		Graver set for plastic, 0.2 mm
1623.0 1624.0	Graver 0.2 Graver 0.3	Graver set for plastic, 0.2 mm 1
1625.0	Graver 0.3 Graver 0.4	Graver set for plastic, 0.4 mm 1
1626.0	Graver 0.5	Graver set for plastic, 0.5 mm 1
1627.0	Graver 0.7	Graver set for plastic, 0.7 mm
1628.0	Graver 1.0	Graver set for plastic, 1.0 mm
1629.0	Graver set for plastic	Graver set for plastic (0.2; 0.3; 0.4; 0.5; 0.7; 1.0 mm) incl. packaging 1
1635.0	Graver cutter 0.2	Graver cutter for aluminium, 0.2 mm
1636.0	Graver cutter 0.4	Graver cutter for aluminium, 0.4 mm
1637.0	Graver cutter 0.6	Graver cutter for aluminium, 0.6 mm
1638.0	Graver cutter 1.0	Graver cutter for aluminium, 1.0 mm
1684.0	Graver cutter 1.4	Graver cutter for aluminium, 1.4 mm
1688.0	Graver cutter 2.0	Graver cutter for aluminium, 2.0 mm 1 Graver cutter for aluminium, 2.4 mm 1
1690 0	Graver cutter 2.4	
1689.0 1685.0	Survel cutting oil 500 ml	500 ml cutting oil for aluminium
1685.0	Survol cutting oil, 500 ml	
	Survol cutting oil, 500 ml alu-oxide acid, 100 ml EMS-2 engraving unit, vacuum cleaner bag	500 ml cutting oil for aluminium 1 100 mm alu-oxide acid for darkening of anodized aluminium markers 1 1 packet á 5 bags 1

CONTA-CONNECT

Printing systems and software – Inlays for plotter systems EMS

DIN A4 ir

CCI

Inlays

Туре Сат. по. Туре Сат. по.

Туре Сат. по. Туре Сат. по.

Type Cat. no.

CONTA-CLIP's EMS plotter systems allow you to conveniently print on practically any **CONTA-CLIP** marker. **CONTA-CLIP** offers a matching inlay for each marker.

Just pick the appropriate inlay for your marker and you're already on your way.

The **CONTA-Sign** marking software can automatically recognize the inserted inlay; the software can then suggest the appropriate marker to the user.

In addition to our proprietary inlays, **CONTA-CLIP** offers inlays for the standard markers from other manufacturers such as Partex, Phoenix, Wago or Weidmüller. These are available upon request.

Туре Туре **Саt. по.** Туре **Саt. по.**





		Qty.	For holding CONTA-CLIP markers of type
	CCI-3 1593.0	1	AD 1/5 N
	CCI-4 1600.0	1	ADQ
	CCI-5 1601.0	1	KBH-S4
	CCI-6 1602.0	1	AD 1/5 AD 1/6 AD 1/8 AD 1/16 N
	CCI-7 1603.0	1	AD 1/2 N
nlay	CCI-8 1604.0	1	ESO GT 1 ESO GT 2 ESO BST 8 KKEA4 GKEA4 GMP GMA
	CCI-10 1606.0	1	MC SB MC BSTR MC MM MC KMS MC ESS MC GS MC GST MC GSU MC KMC
	CCI-11 1607.0	1	SchT 9 SchT 10 ZSchT 6
	CCI-15 88520.8	1	KBH-S 21 strip KBH-S 36 strip KBH-S 57 strip KBH-S 84 strip
	CCI-17 88520.0	1	KBH-S 3/15 strip KBH-S 3/21 strip KBH-S 3/27 strip
	CCI-18 88520.1	1	KBH 5/15 strip KBH 5/21 strip KBH 5/27 strip
	CCI-19 88520.2	1	KBH 10/15 KBH 10/21 KBH 10/27 KBH 10/36



Printing systems and software – Thermal-transfer printer TTP

TTP

Thermal transfer printer TTP

The TTP thermal-transfer printer was designed specifically for marking solutions in systems and switchgear cabinet applications and is very versatile.

- Its speed and robustness make the TTP printer ideal for industrial applications.
- Short loading times for various materials, thanks to fast and straightforward exchange of label rolls.
 The accompanying labelling software, CONTA-Sign, is available in
- ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish) • Free software updates can be downloaded from our web page
- The TTP can be used to print on GKE and KKE labels quickly and simply.



Qty.

TTP Starter Kit 1xTTP-Printer (1640.0)

1 x TTP film (**1641.0**)

Thermal-transfer printer TTP, including power cable, printer driver and software CONTA-Sign CS in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish), runs under Windows: 2000, XP, Vista, 7. Connection cable (USB cable), label attacher (75-mm diameter)

Cat. no.

Туре

Туре

Technical data	
Printer type	
Intended use	
Max. label width	
Min. label width	
Print width	
Max. printing height	
Min. label height	
Resolution	
Max. printing speed	
Dimensions (W x H x D)	
Weight	
Supply voltage	
Interfaces	
Barcodes	
Diameter of label role core	
Max. diameter of roll	

TTP accessories Cat. no. Туре TTP film 1641.0 TTP cleaning set 1639.0

1644.0

Thermal transfer
Printing of labels
110 mm
15 mm
104 mm
750 mm
6 mm
200 dpi
50 - 80 mm/sec
230 x 230 x 350
ca. 9 kg
230 V AC / 50 Hz (optional 115 V AC / 60 Hz)
RS232 C / USB 1.1
EAN 8, EAN 13, EAN 128, Code 39, Code 39 extended, Code 128, Code 2/5 interleaved
75 mm (40 mm optional)
180 mm

Overview

Roll of thermal-transfer film, 110 mm x 300 mm (outside with colour) industrial quality
1 print head and drum cleaner, 250 ml
1 compressed air for cleaning the photoelectric sensor, 200 ml
22 wipes, 5 cleaning spatulas, 2 cleaning cards, 1 cleaning file for print head,
1 label solvent spray, 200 ml

CONTA-CONNECT

	otter and printin		
Plotter and printing pens	PP 0.18	PP/HP 0.25	PP/HP 0.35
CONTA-CLIP offers a complete line of plotter pans and hand pens for abelling all types of markers and adhesive labels. The reusable PP pens are available in six different line widths and can be refilled using the TP nk cartridge. The disposable PPE pen is an affordable and long-lasting alternative to the PP pen. This pen is available with six line widths. The			
IP hand pen can be used to label quickly and easily without a plotter. he TP ink cartridges can be used to refill it. It is available in four differ- nt line widths.			
The PPE Ink-ED does not dry out even if it has not been used for a ong time, but is not suitable for marking outside of the switchgear cabi-			
the because it is not resistant to smearing. Additional ink colours and ine widths for the PPE INK-ED are available on request.	Disposable plotter pen, 0.18 mm Reusable plotter pen, 0.18 mm	Disposable plotter pen, 0.25 mm Reusable plotter pen, 0.25 mm Reusable hand pen, 0.25 mm	Disposable plotter pen, 0.35 m Reusable plotter pen, 0.35 m Reusable hand pen, 0.35 m
Гуре	Qty.	. Qty.	Qt
ype Cat. no. Disposable	PPE 0.18 mm 1649.0 1	PPE 0.25 mm	PPE 0.35 mm 1651.0
уре	PPE Ink-ED 0.18 mm	PPE Ink-ED 0.25 mm	PPE Ink-ED 0.35 mm
Zat. no. Disposable Type	9820.0 1 PP 0.18 mm	1 9821.0 1 PP 0.25 mm	9822.0 PP 0.35 mm
Zat. no. Reusable	1586.0 1	1 1587.0 1 HP 0.25 mm	1588.0 HP 0.35 mm
Cat. no. Reusable		1316.0 1	1317.0
Characteristics			
General			
Line width, mm Colour code	0.18 red	0.25 white	0.35 yellow
nk colour	black	black	black
Storage			
Storage temperature °C °F Storage at rel. humidity level of:	+5°C to +20°C +41°F to +68°F	+5°C to +20°C +41°F to +68°F	+5°C to +20°C +41°F to +68
Application	30% to 60%	30% to 60%	30% to 60%
For labelling of:	Plastic	Plastic	Plastic
Characteristics	Quick-drying, smudge-proof* ² , non-fading	Quick-drying, smudge-proof* ² , non-fading	Quick-drying, smudge-proof* ² , non-fadi
Plotter / Plotter pen holder Accessories	yes (PPE/PP) / yes (PPE/PP) Page Qty.	yes (PPE/PP) / yes (PPE/PP) . Page Qty.	yes (PPE/PP) / yes (PPE/P Page Q
nk cartridge for PP / HP (TP)	TP (5 x 1ml)	TP (5 x 1ml)	TP (5 x 1ml)
Cat. no. Pressure ball for plotter pen	1595.0 409 1 Pressure ball	1595.0 409 1 Pressure ball	1595.0 409 Pressure ball
Cat. no.	1630.0 409 1 CC-1	1630.0 409 1 CC-1	1630.0 409 CC-1
Cat. no.	1597.0 409 1	1597.0 409 1	1597.0 409
³ en cleaner Cat. no.	PC-1 1598.0 409 1	PC-1 1 598.0 409 1	PC-1 1598.0 409
	PPP 0.18	PPP 0.25	PPP 0.35
The PPP paper plotter pen is particularly well suited for labelling paper. t is designed for use with the TPP ink, which is particularly suitable for			
paper. The PMP permanent pen is an affordable pen that is primarily			
used for test purposes.			
The BS-1 marker pen is good for easy labelling tasks that are carried out on-site.			
They can also be used with an adapter on a plotter.			
	Paper plotter pen / reusable, 0.18 mm	Paper plotter pen / reusable, 0.25 mm	Paper plotter pen / reusable, 0.35 mm
Гуре	Qty	. Qty.	Q
Fype Cat. no. Disposable			
Type Reusable Reusable	PPP 0.18 mm 1615.0 1	PPP 0.25 mm 1 1616.0 1	PPP 0.35 mm 1617.0
Characteristics			
General			
Line width, mm	0.18	0.25	0.35
Colour code	red	white	yellow
nk colour	black	black	black
		+5°C to +20°C +41°F to +68°F	+5°C to +20°C +41°F to +68
Storage	15°C to 100°C 1 41°E to 100°E	13 C to 120 C 141 I to 100 F	
Storage Storage temperature °C °F	+5°C to +20°C +41°F to +68°F 30% to 60%	30% to 60%	30% to 60%
Storage Storage temperature °C °F Storage at rel. humidity level of: Application	+5°C to +20°C +41°F to +68°F 30% to 60%		30% to 60%
Storage Storage temperature °C °F Storage at rel. humidity level of: Application For labelling of:	30% to 60% Paper	Paper	Paper
Storage Storage temperature °C °F Storage at rel. humidity level of: Application For labelling of: Characteristics	30% to 60% Paper smudge-proof	Paper smudge-proof	Paper smudge-proof
Storage Storage temperature °C °F Storage at rel. humidity level of: Application For labelling of: Characteristics Plotter / Plotter pen holder Accessories	30% to 60% Paper	Paper smudge-proof yes / yes	Paper

412

PP/HP 0.5	PP/HP 0.70	PP1.00		
Disposable plotter pen, 0.50 mm	Disposable plotter pen, 0.70 mm	Disposable plotter pen, 1.00 mm		
Reusable plotter pen, 0.50 mm Reusable hand pen, 0.50 mm	Reusable plotter pen, 0.70 mm Reusable hand pen, 0.70 mm	Reusable plotter pen, 1.00 mm		
Qty. PPE 0.5 mm	Qty. PPE 0.7 mm	Qty. PPE 1.0 mm	Qty.	Otv.
1652.0 1 PPE Ink-ED 0.5 mm		1654.0 1 PPE Ink-ED 1.0 mm	1	1
9823.0 1	9824.0 1	9825.0 1		
PP 0.5 mm 1589.0 1	PP 0.7 mm 1590.0 1	PP 1.0 mm 1591.0 1	1	
HP 0.5 mm 1318.0 1	HP 0.7 mm 1319.0 1			
0.50	0.70	1.00		
brown black	blue black	orange black		
+5°C to +20°C +41°F to +68°F 30% to 60%	+5°C to +20°C +41°F to +68°F 30% to 60%	+5°C to +20°C +41°F to +68°F 30% to 60%		
Diastia	Diastia	Plastic		
Plastic Quick-drying, smudge-proof, non-fading	Plastic Quick-drying, smudge-proof, non-fading	Quick-drying, smudge-proof, non-fading		
yes (PPE/PP) / yes (PPE/PP)	yes (PPE/PP) / yes (PPE/PP)	yes (PPE/PP) / yes (PPE/PP)		
Page Qty. TP (5 x 1ml)	TP (5 x 1ml)	Page Qty. TP (5 x 1ml) Image		
1595.0 409 1 Pressure ball	1595.0 409 1 Pressure ball	1595.0 409 1 Pressure ball		
1630.0 409 1 CC-1	1630.0 409 1 CC-1	1630.0 409 1 CC-1		
1597.0 409 1 PC-1	1597.0 409 1 PC-1	1597.0 409 1 PC-1		
1598.0 409 1 PPP 0.50	1598.0 409 1 PPP 0.70	1598.0 409 1 PPP 1.00	BS-1	
			•	
Paper plotter pen /	Paper plotter pen /	Paper plotter pen/	Labelling pen 0.4 mm	
reusable, 0.50 mm	reusable, 0.70 mm	reusable, 1.00 mm		
Qty.	Qty.	Qty.	Qty.	
		DDD 1.00	BS-1 2034.0 1	
PPP 0.50 mm 1618.0 1	PPP 0.70 mm 1619.0 1	PPP 1.00 mm 1620.0 1		
0.50 brown	0.70 blue	1.00 orange	0.40	
black	black	black	black	
+5°C to +20°C +41°F to +68°F	+5°C to +20°C +41°F to +68°F	+5°C to +20°C +41°F to +68°F	+5°C to +20°C +41°F to +68°F	
+3 C to +20 C +41 P to +68 P 30% to 60%	30% to 60%	30% to 60%	30% to 60%	
Paper	Paper	Paper	Plastic / paper	
Smudge-proof	Smudge-proof	Smudge-proof	Water-proof and smudge-proof	
yes / yes Page Qty.	yes / yes Page Qty.	yes / yes Page Qty.	yes* ¹ / yes* ¹ Page Qty.	
TPP (5 x 1ml) 1614.0 409 1	TPP (5 x 1ml)	TPP (5 x 1ml)	Adapter BS-1 2000.0 413 1	
1014.V 102	1014.0	1014.V (02 1	2000.0	

CONTA-CONNECT

Labelling systems and software – Labelling software CONTA-Sign

Labelling software CONTA-Sign

The Windows-based **CONTA-Sign** software was specially developed to produce professional marking solutions for systems and switchgear cabinet applications. This **CONTA-Sign** software can be used to control the **EMS-2** plotters (A3, A4 and eco). It can also be used with printing on heat-transfer roll printers (**TTP**) or with Windows-based printers. This software can be used to print on almost all of the markers that **CONTA-CLIP** delivers.

CONTA-Sign can be used to easily print text, barcodes or graphics on the markers.

The **CONTA-Sign** software is available in ten languages.

System requirements

Screen resolution

Operating system

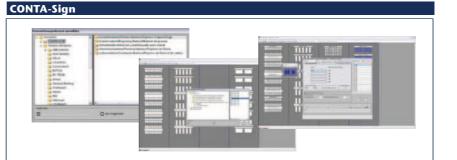
Peripherals

Languages

CPU

RAM

Drives

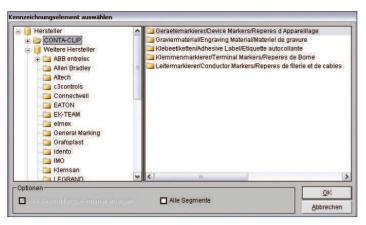


> Pentium II, 200 MHz
64 MB RAM
CD-ROM
640 x 480 Pixels, we recommend at least 1024 x 768 pixels
Windows: 98, ME, NT, 2000, XP, Vista, 7
Keyboard and mouse
German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish

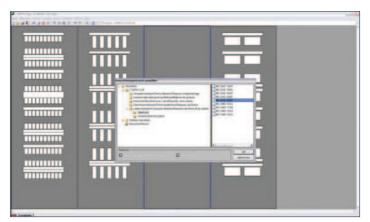
Features

An import option is available for importing labelling specifications from project engineering software. Uncomplicated, retroactive processing of imported data in the software. Numerous user-friendly functions simplify manual input. Intuitive operation supports single, multiple and batch markings. Create individual markers using the marker design function. The pitch correction function guarantees faultless centering of labelling information even with large deviation in the material tolerances. Electronics symbols and special characters are included with the software.

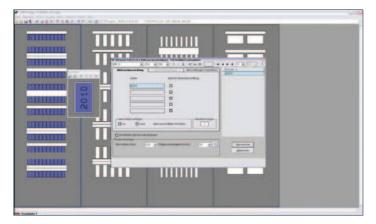
Open programming means that the markers of different manufacturers are installed in the software as standard







A variety of different markers in one project



Number and letters are easy to enter



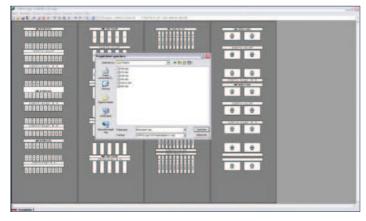
Many different electronic symbols are available by default



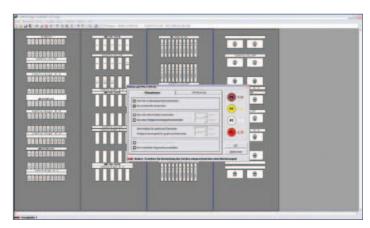
Batch entry



CAD/CAE, E-plan, plain text, Excel and Access formats can be imported



Projects can be created and saved



The EMS-2 plotter is easy to operate using the software

Geratetypen Plotter EMS-eco (DINA4) Gravierer EMS-2 (DINA4)	
Plotter EMS-2 (Dith A3)	
Plotter EMS-2 (DIN AA)	
Gravierer EMD-eco (DIN A4)	
Graneter EM9-2 (DIN A3)	
Optionen	
diesen Gerätelspimmer benutzen	

One software program for many different output devices

The user's manual contains a detailed description of the software functions. The manual can be downloaded for free from our web site at www.conta-clip.com.