



Barcode-/Label Printer A+

The Premium Class.

2 cab Produkttechnik

Precision - Made in Germany



For more than 30 years now cab has been developing and manufacturing label marking systems for industry, distribution and services. The constant requirements of changing markets demand innovative ideas and form tomorrow's products.

Our experience and our aim to make our printers more simple in operation have made cab to a leading manufacturer world-wide.

Made in Germany with a large vertical range of manufacture our quality system is subject to DIN ISO 9001 - from receiving inspection up to consignment.



Application	4
Overview of types	5
Technical details	6
Maintenance / Spare parts	7
Models	8
Interfaces	9
Technical data	10 - 11
Accessories printer	12 - 15
Applicator A 1000	16
Accessories Applicator	17
Software tools	18
Label software	19

4 Application

The professional printer for industrial demands



Our professional printers can be used within a broad application range. Our ambition was to create easy handling and high reliability. The print mechanism

and the chassis are made of first-class material, perfectly harmonised in form and function. Any specific customer requirement can be realised with the

extensive periphery and software. Stand-alone operation, PC-application or mains operation: A+ is the solution – any time.

Small and large labels precise and fast – examples

PCB identification label



Smallest label size 4 x 5 mm, if there is only little space.

Packaging



Labels up to DIN A4 size

Type plates



Pin sharp fonts with 600 dpi.

**One concept – four widths
Printing to measure**

**The small sized
material width up to 65 mm**

Printing method	Thermal transfer	■
	Thermal direct	■
Print resolution dpi		300
Print width up to mm		54.2
Print speed up to mm/s		150



a2+

**The fast allrounder
material width up to 120 mm**

Printing method					
Thermal transfer	■	■	■	□	□
Thermal direct	-	-	-	■	■
Print resolution dpi	203	300	600	203	300
Print width up to mm	104	105.6	105.6	104	108,4
Print speed up to mm/s	250	250	100	200	150



a4+
203/300/600 dpi

**The broad
material width up to 180 mm**

Printing method	Thermal transfer	■
	Thermal direct	■
Print resolution dpi		300
Print width up to mm		162.6
Print speed up to mm/s		200



a6+

**The extra broad
material width up to 235 mm**

Printing method	Thermal transfer	■
	Thermal direct	■
Print resolution dpi		300
Print width up to mm		216
Print speed up to mm/s		150



a8+

6 Technical details

Precise printing Elaborate - easy made

1. Big graphic display

White backlight guarantees clearness of display.

2. Ribbon re-winder and un-winder

The threepart tightening axles allow a fast and easy ribbon exchange.

3. Convenient navigator pad

With the interactive menu prompting only the available functions are readable.

4. Easy adjustment

The print head is pressed down with two sliders. One is mounted to the left label margin, the other one is pushed onto the right label margin.

5. Printing with 203, 300 or 600 dpi

In only a few steps the print heads can be replaced. The print heads are identified automatically.

6. Peel-off option

The label is removed via peel-off-plate. A high printing and applying accuracy can be achieved through the additionally powered rewind assistant roller and the pinch roller.

7. Peripheral connection

Add-on modules like cutter, external re-winder, peel-off adapter and applicators can be connected via USB peripheral interface.

8. Solid, buckling resistant chassis

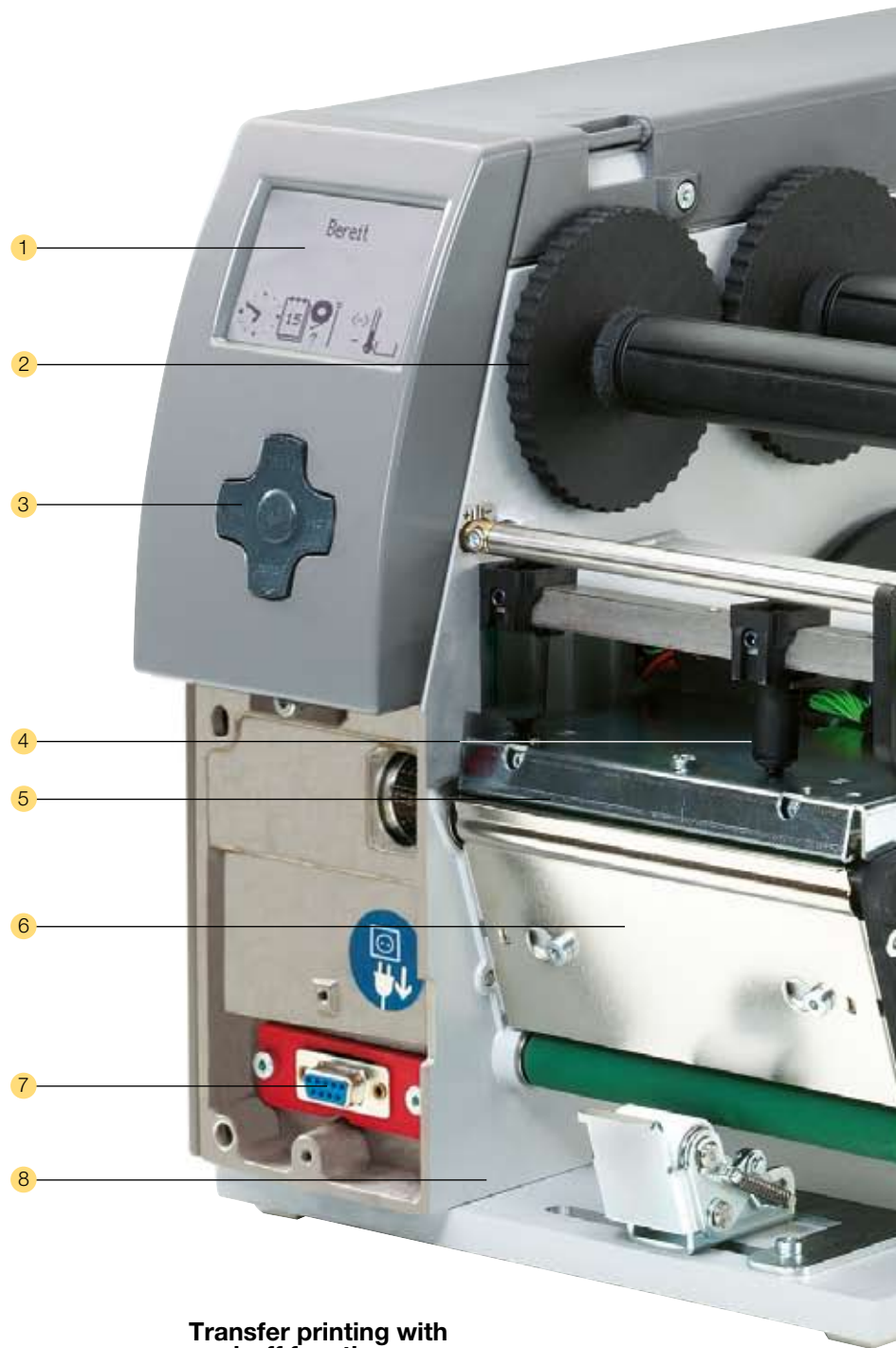
It is made of dye-cast aluminium. All devices are assembled to it.

9. Universal material un-winder

Serially made for core diameters from 38 – 76 mm. The swivelling holder makes it possible to fix even the smallest rolls.

10. Label re-winder

With the threepart tightening axles with adjustable diameter labels or backing paper with or without cardboard core can be rewound and removed easily.



**Transfer printing with
peel-off function**

Easy servicing and removing of consumables

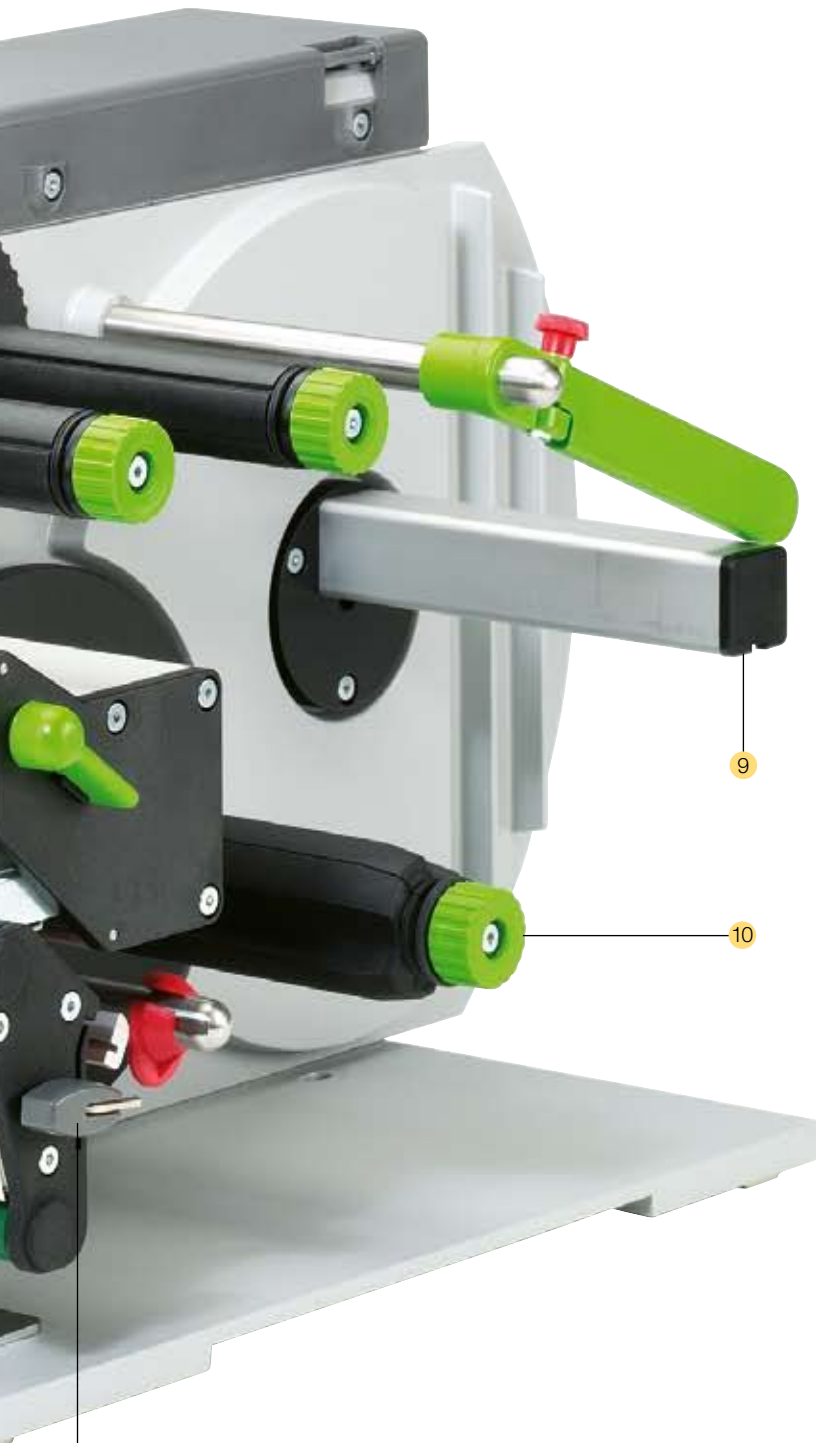


Photo cell



The photo cell can be unlocked with only one finger and can be removed for cleaning.

Printhead



The printhead can be exchanged in only a few steps. Adjustments and settings are not necessary.

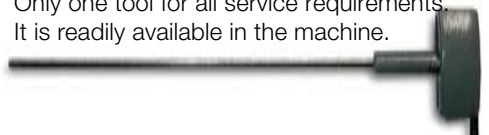
Print roller



For cleaning or replacement the print roller can be easily removed by loosening only three screws.

11. One tool for all maintenance tasks

Only one tool for all service requirements. It is readily available in the machine.



Four steps to the optimal appliance

1. Transfer printing



For printing on standard paper, cardboard, textiles, plastic foil (PE, PP, PVC, PA or PI). Wax-, resin- or wax/resin ribbons can be used.

Thermal direct printing



For printing on thermal-sensitive materials. All transfer printers can be used as thermal direct printers.

2. Basic version



For printing on labels and continuous material. After printing it can be torn off with the ridged tear-off plate. It can be cut or rewound externally.

Dispense version



For printing and dispensing labels. During the printing the label is removed from the liner. It can be taken off manually or by an applicator. ① The present sensor has to be ordered separately.

3. Compact cover



The 2-parts cover folds when opened. Therewith the printer needs the smallest footprint in its class.

Metall cover



The transfer printers A4+ and A6+ are available with a full metal cover (standard with the A8+) on request.

4. RFID (additional option)



The cab RFID option for the printers of the A+-series reads and rewrites transponders in smart-labels with 13,56 MHz during the printing process. Please ask for our separate data sheet.

All required interfaces are factory installed



Network connections

- 1. Wireless LAN**-connection via plug-in-card
- 2. Ethernet 10/100 Base T**- interface with TCP/IP protocol
Printing with LPR/LPD, Raw IP or FTP.
IP adress can be set manually or obtained via DHCP.
Status information and set up via internet browser.
FTP for firmware updates and PC-card Type II/CompactFlash administration.
Error messages can be sent via e-mail or SNMP.
Time and date synchronisation through time server

For Stand-alone operation without PC

- 1.** Slot for **PC-Card Type II** (PCMCIA)
- 3.** Slot **CompactFlash-card** to store fixed data
- 4.** Two **USB-Master** interfaces for keyboard or scanner

PC-Connections

- 5.** **USB 2.0 High Speed Slave** interface
- 6.** **Serial RS232 C** interface up to 230.400 Baud

Additional optional interfaces

- 7. WLAN-card IEEE 802.11 b/g**
for wireless network connection, depending on chip set
IEEE 802.11 b: 11 MBit/s, 2.4 GHz Band
IEEE 802.11 g: 54 MBit/s, 2.4 GHz Band
- 8. Parallel Centronics** acc. IEEE 1284
The data from the Centronics interface are converted onto the USB 2.0 High Speed interface.
PC connection: 25-pin SubD plug
Printer connection: USB Master
- 9. Serial RS422** interface for long distance communication.
Serial RS485 for networking up to 26 printers.
Serial interface: 25-pin SubD plug
Printer connection: USB Master
- 10. Twinax-Converter** for connection with IBM AS/400
Printer connection: serial RS 232 C 9-pin SubD plug
- 11. Coax-Converter** for connection with IBM 3270
Printer connection: serial RS 232 C 9-pin SubD plug
- 12. Label selection box**
Up to 16 different input signals for automatic loading and printing of labels from the memory card.
Serial interface: 25-pin SubD plug
Printer connection: USB Master



The data for all devices

■ Standard □ Option

1. Printhead	A2+	A4+				A4.3+		A6+	A8+	
Printing method Thermal transfer	■	■	■	■	□	□	■	■		
Thermal direct	■	-	-	-	■	■	■	■		
Print resolution dpi	300	203	300	600	203	300	300	300		
Print speed up to mm/s	150	250	250	100	200	150	200	150		
Print width up to mm	54.2	104	105.6	105.6	104	108.4	162.6	216		
2. Labels										
Material: Labels, endless rolls or Leporello,	thermal and standard paper, cardboard, textil, plastic foils PE, PP, PVC, PA, PI									
Material thickness mm / weight g/m ²	0.07 - 0.35 / 60 - 250									
Media roll: Total diameter up to mm	210									
Core diameter mm	38 - 100									
Winding direction	inside or outside									
Material width mm with a thickness 0.07 - 0.35 mm	25 - 65	25 - 120				50 - 180		50 - 235		
with a thickness 0.25 - 0.35 mm	10 - 25	10 - 120				-		-		
Label width mm	4 - 60	4 - 116				50 - 176		50 - 220		
Label width when dispensing ¹⁾ min. mm	25				50		-			
Label height min. mm	5				6		10			
Label height when dispensing ¹⁾ min. mm	12				25		-			
Label height max. mm	2000	2000	2000	1000	2000	2000	2000	1000		
3. Ribbon										
Ink	inside or outside									
Roll diameter up to mm	80									
Core diameter mm	25									
Ribbon length variabel up to m	500									
Width up to mm	56	114				165		220		
4. Internal re-winder labels										
Total diameter up to mm	145									
Core diameter mm	38.1									
Winding direction	only outside									
5. Dimensions printer										
Hight x Dept mm	274 x 446									
Width mm	190	242				302		352		
Weight kg	8,5	9				13		15		
6. Label sensor										
See through/Reflective sensor from below, adjustable mm	5 - 53									
7. Electronics										
Prozessor high speed 32 Bit ColdFire/Taktrate MHz	266									
RAM MB	64									
ROM MB Flash	8									
Slot for memory CompactFlash-card Type I up to 1 GB	■									
Slot for memory card Cardbus / PC-Card Type II	■									
Real time clock, Print out of time and date	■									
8. Operation panel										
Buttons illuminated, depening on mode of operation	Pause, Feed, Cancel, Menu, Enter, 4 x Cursor									
LCD graphic display Width x Height in mm	60 x 40									
lines/characters	4 / about 20									
9. Interfaces										
Parallel Centronics bi-direktional acc. IEEE 1284	□									
Serial RS 232 C 1200 up to 230400 Baud/8 Bit	■									
USB 2.0 High Speed Slave for PC-connection	■									
Ethernet 10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP, SMTP, SNMP, NTP	■									
RS 422, RS 485 1200 up to 230400 Baud/8 Bit	□									
Peripheral connection	■									
WLAN card 802.11b/g	□									
USB Master for keyboard and scanner	2x				■					
Twinax/Coax-Converter	□									

¹⁾Depending on label size, material and adhesive limitations are possible. Critical material or applications have to be testet and cleared.

■ Standard □ Option

10. Settings	
	Country specific (Arabisch, CZ, D, DK, E, F, GB/USA, H, I, IL, N, NL, P, PL, RUS, S, SF, TR), Geräteeinstellungen, Druckparameter, Schnittstellen, Sicherheit.
11. Monitoring	
Stop printing if	End of ribbon End of labels Printhead open
12. Test routines	
	System diagnosis of memory and print head when switched on, Short status, status print, font list, device list, profile of print head, profile of label, test grid, monitor mode.
Status reports	Extensive status print with information about instrument setting, for example print length counter, runtime counter. Request of the machine status via software command. Detailed status messages on the display, for example network error-no link, barcode error etc.
13. Fonts	
Font types	5 Bitmap fonts incl. OCR-A, OCR-B and 3 Vector fonts Swiss 721, Swiss 721 Bold and Monospace 821 available internally, loadable TrueType fonts.
Character sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBCDIC 500, ISO 8859-1 up to -10 and -13 up to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, KOI8-R. All West and East European latin, cyrillic, greek, hebrew and arabic characters are supported. Optional chinese (simplified chinese)
Bitmap fonts	Size of width and height 1 - 3 mm zoom 2-10 Orientation 0°, 90°, 180°, 270°
Vector-/TrueType fonts	Size of width and height 0.9 - 128 mm variable zoom , Orientation 360° in steps of 1°
Font formats	Bold, italic, underlined, outline, negative, grey, vertical, depending on character fonts
Font width	Variable

14. Graphics	
Graphic elements	Line, arrow, box, circle, ellipse, filled and filled with fading
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG
15. Codes	
Linear Barcodes	Code 39, Code 93 Interleaved 2/5 Code 39 Full ASCII Ident- and lead Code 128 A, B, C code of german Post AG Codabar JAN 8, 13 EAN 8, 13 MSI EAN/UCC 128 Plessey EAN/UPC Appendix 2 Postnet EAN/UPC Appendix 5 RSS 14 FIM UPC A, E, E0 HIBC
2D-Codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14
	All codes variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and Start/Stop code, depending on code type.
16. Software	
Programming	J-Script direct programing ■ abc-Basic Compiler ■ Database Connector □
System diagnosis/ Administration	cab-printer monitoring ■ cab-Network Manager □ cab-Card Manager □
cab Label software	cablabel R2 Lite ■ cablabel R2 Pro □
More Label software	Easylab, Codesoft, Nicelabel, Bartender, Label Matrix, Labelview □
Windows driver	98, ME, 2000, 2003, XP ■ Windows NT from version 4.0
Mac driver	OS X printer driver from version 10.3 ■
Linux driver	Testet with Suse 9.0, ■ CUPS based
17. Operation data	
Power supply	100 - 240 V ~ 50/60 Hz,PFC
Energy consumption	max. 250 W
Operation temperat.	10 - 35°C
Humidity not condensing	30 - 85%
Safety regulations	CE, FCC class A, CB, CCC

The current specifications are according to our technical knowledge. They are subject to change.

Peripheral devices - optimal accessories at full benefit

for the printer	Page	Basic d.	Dispense d.	A2+	A4+	A6+	A8+
1. Cutter CU	12	●	●	□	□	□	□
2. Cutter CU-I	12	●	●	□	□	□	□
3. Barcode tester	13	●	●	□	□	□	□
4. Guide plate for internal rewinding	13	-	●	□	□	-	-
5. External re-winder for direct printer connection	13	●	●	□	□	□	□
6. External re-winder with built-in power supply	13	●	●	□	□	□	□
7. External un-winding of rolls up to 300 mm Ø	13	●	●	□	□	□	□
8. Peel-off plate PS5 for automatic operation	14	-	●	□	□	□	-
9. Present sensor PS8 for manual operation	14	-	●	□	□	□	-
10. Present sensor PS6 for manual /automatic operation	14	-	●	□	□	□	-
11. Pause adapter PS7 – pause of print job	14	●	●	□	□	□	□
12. Extended peel-off plate	14	-	●	□	□	□	-
13. Sidewise displaced photo cell	14	-	●	□	□	□	-
14. Adapter 76 mm Ø	15	●	●	□	□	■	■
15. Adapter 100 mm Ø	15	●	●	□	□	□	□
16. Rotating label un-winder 76 mm Ø	15	●	●	□	□	□	□
17. Memory card	15	●	●	□	□	□	□
18. External operation panel	15	●	●	□	□	□	□
19. Numerical keyboard	15	●	●	□	□	□	□
20. Compact keyboard	15	●	●	□	□	□	□

● Models ■ Standard □ Option

Cutting labels and continuous material

1. Cutter CU



2. Cutter CU-I



The cutter is used to cut labels, cardboard textiles or plastic foils or even heat-shrinkable tubes one label after the other, after a certain number of labels or at the end of job.

Additional external interface

An external signal activates the cutting function. All further technical attributes correspond to the CU-cutter.

Cutter	CU2	CU4	CU6	CU8
for printer	A2+	A4+	A6+	A8+
Material weight up to g/m ²	500			
Material width up to mm	65	120	180	232
Material height from mm	2 - Depending on material limitation			
Cutter tray	-	□	-	-

Perforation cut: Continuous material can be cut perforated on request. Delivery is customer-specific.

On- and off-winding of labels and continuous material

3. Barcode tester

Testing barcodes directly after printing

General use together with the external re-winder ER4 - ER8.



The built-in scanner tests the barcodes directly after printing. If the barcode is not readable the printing process can be stopped at once so the faulty labels can be removed.

4. Rewind guide for internal re-winding



For label rolls up to 145 mm Ø

The internal rewinding is operated by the dispense printer. The peel-off-plate is replaced with the rewind guide plate (for devices A2+ and A4+).

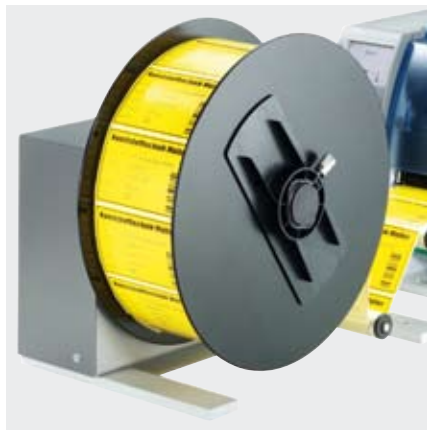
5. External re-winder



Direct connection onto the printer

The re-winder is screwed directly onto the transfer printer. The label winding is optional inside or outside. A smooth and tight winding can be achieved through the electronic control of the swing arm.

6. External re-winder



With built-in power supply

Due to the built-in power supply unit the re-winder can be attached to every other printer. The label winding is optional inside or outside. A smooth and tight winding can be achieved through the electronic control of the swing arm.

7. External un-winder



For label rolls up to 300 mm Ø

The un-winder works both with inside and outside wound labels. It enables a smooth feeding of labels for heavy rolls.

External re-winder Roll Ø max. mm	ER1 210	ER2 210	ER3 210	ER4 210	ER4 300	ER6 300	ER8 300
for printer	all A+ -Series devices			all A+ -Series-devices a. other manuf.			
Material width up to mm	120	180	235	120	120	180	235
Winding speed up to mm/s	250	200	150	300	300	250	200
Power supply	24 VDC			100 - 240 V~ 50/60 Hz			
Core Ø mm	40 - re-winding with or without cardboard core						
Adapter mm	76 - re-winding with cardboard core						
Winding of labels	inside or outside						

External un-winder Roll Ø max. mm	EU4 300	EU6 300	EU8 300
for Printer	A+ -Series and other manuf.		
Material width up to mm	120	180	235
Rewind speed mm/s	300	250	300
Core Ø mm	40		
Adapter mm	76		
Winding of labels	inside or outside		

Discerning solutions for different requirements.

8. Peel-off adapter PS5



For automatic operation

Printing and dispensing of the label is started via an external signal. The discharging can be made by a robot, applicator or manually. With six additional input and output signals like "label taken" or "print of label is started" the labelling process can be controlled.

9. Present sensor PS8



For manual operation

The photo cell detects the label in peel position and pauses the labelling process. After removing the label the next one is printed instantly.

10. Present sensor PS6



For manual and automatic operation

It contains the functions for both manual and automatic handling. There are two options:

1. Dispensing after removal (manual) without connection to the external peripheral connector.
2. Dispensing on demand (semi-automatic) with manual button, foot switch and external control system.

11. Pause adapter PS7



Interruption of print job

The printing can be paused by an external signal by using a label loop.

12. Extended peel-off plate



If labels are difficult to peel off we recommend an extended peel-off plate. It is made to customer's specifications.

13. Sidewise displaced photo cell



For dispensing labels where the outer edges are not detected by standard photo cell. The extension is made on customer's specification for PS6 or PS8.

14. Adapter 76 mm Ø



Recommended for heavy rolls with a core diameter of 76 mm.

15. Adapter 100 mm Ø



Both for very sensitive or small labels and labelling in lateral position we recommend a core diameter of 100 mm.

16. Rotating label un-winder 76 mm Ø



Recommended für dust-sensitive areas. The roll is fixed tightly onto the un-winder, which avoids abrasion through the cardboard core.

17. Memory card



Label formats, fonts, texts and graphics can be saved. It can be accessed from the printer or from the PC.

18. External operation panel



Same operation like the operation panel on the machine, with an additional slot for a memory card.

19. Num. keyboard



For the input of numeric data in stand-alone-mode.

20. Compact keyboard



For direct input of variable data in stand-alone-mode.

Memory card	
CompactFlash Typ I	256 MB

External operation panel	
Connection	USB Mini
Keys	Menu, Pause, Feed, Cancel, Enter, 4 x Cursor
Graphic Displ.	60 x 40 mm
Slot for	CompactFlash-card Typ I
L x W x H mm	182 x 68 x 30

Numerical keyboard	
Connection	USB
No. of keys	19
L x W mm	120 x 76

Compact keyboard	
Connection	USB
No. of keys	86
L x W mm	282 x 132

21. Present trigger



For semi-automatic applications the printing, cutting and the peel-off-function can be activated via manual control switch.

22. Foot switch



For semi-automatic applications the printing, cutting and the peel-off-function can be activated via foot switch.

23. Photo cell



For automatic product identification on the conveyor belt.

24. Sub-D plug



For easy connection the sub-D plug is equipped with a screwed clamp.

Accessories for	Cutter CU-I	Present sensor PS5/6	Pause adapter PS7	Applicator A 1000
21. Present trigger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Foot switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Photo cell	-	-	-	<input type="checkbox"/>
24. Sub-D plug 15 pole	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25 pole	-	-	-	<input type="checkbox"/>

Print and apply in real-time

1. Long operation lines

The guides have ball bearings which avoid abrasion.

2. Variable product heights

With the pneumatic cylinder it is possible to compensate differences in product heights. It is available in different heights of stroke.

3. Simple adjustment

Four screws are needed to adjust the tamp pad to the dispensing edge. The processing can be optimized at the operator panel during the testing.

4. Pre-demand button

Tests the labelling function. At the first operation the label is printed and then transferred via the applicator. By pushing the button again the label is applied.

5. Air service unit

It is either mounted on the printer, on the frame or on the stand. The micro strainer prevents contamination, the compressed air regulator guarantees the labelling quality.

6. High process reliability

The supporting air jet streaming, the vacuum and the speed of the cylinder are adjustable. For highly sensitive products and packaging the pressure to apply labels can be reduced to less than 1 kg. Consequently there is no risk of injury. To avoid contamination within the vacuum the channels are cleaned by an air pressure impulse at the end of each application.

7. Real time labelling

Labels with a height of 25 - 200 mm and with a width of 25 - 176 mm can be applied.

8. Quick assembly

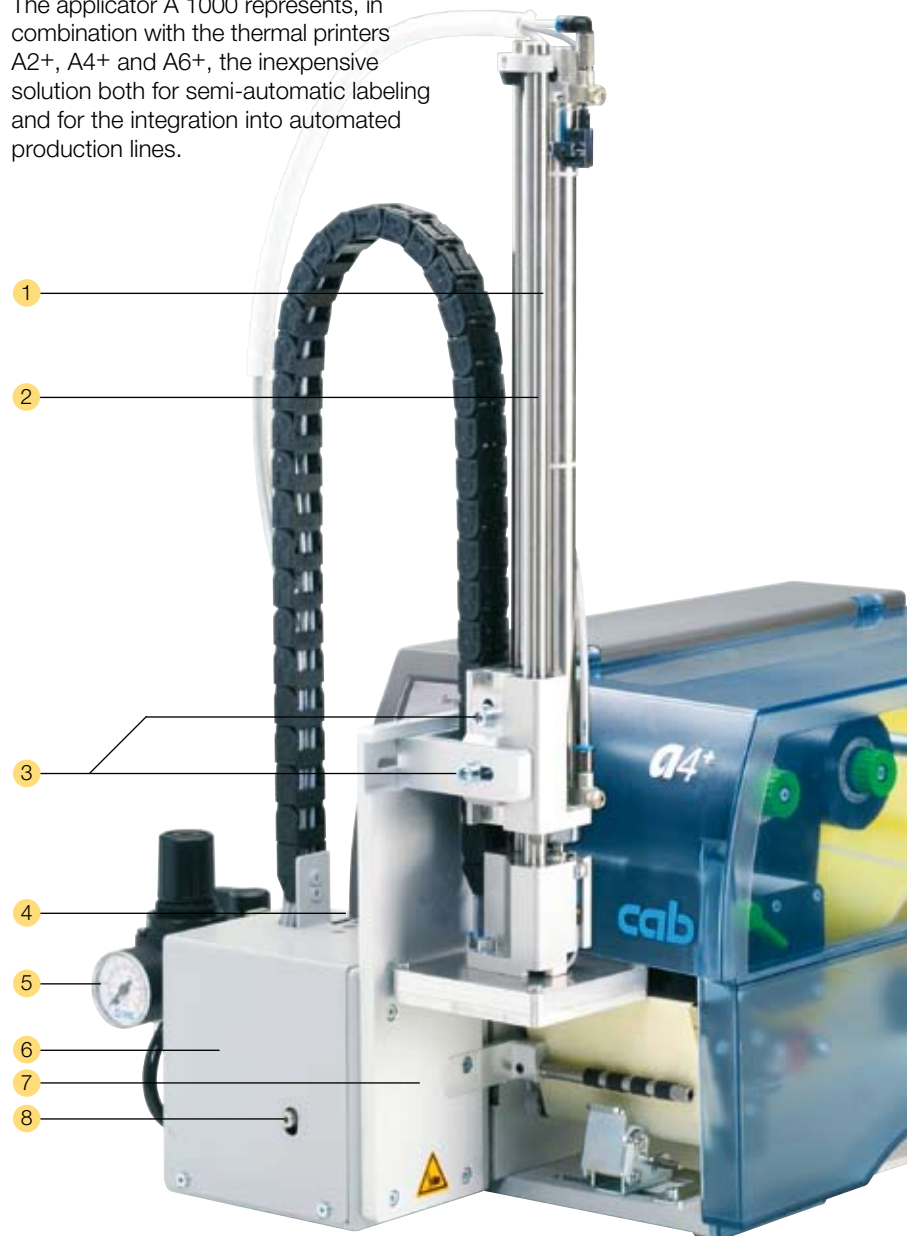
Like any other accessory, the applicator is plugged into the printer with two stoppers and can be fixed with only one screw.

Digital I/O-Interface

The master (e.g. PLC) starts or stops the labelling process. The status and error messages are issued at the same time.

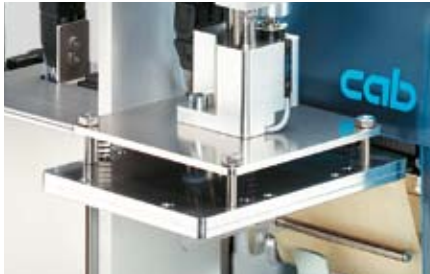


The applicator A 1000 represents, in combination with the thermal printers A2+, A4+ and A6+, the inexpensive solution both for semi-automatic labeling and for the integration into automated production lines.



Label transfer method	Tamp	Roll on	Blow
Label width mm	25 - 176	25 - 176	25 - 176
Label height mm	25 - 200	80 - 200	25 - 100
Cylinder stroke mm		220 / 300	
Stroke of tamp below printer mm		70 / 150	
Compressed air bar		4 - 8	
Product surface		flat	
Product height variable	■	■	-
fixed	-	-	■
Product fixed	■	-	■
linear movement	-	■	■

Tamp pad



During the print and apply cycle the product remains fixed. The universal tamp is covered by a foil. According to the size of the label the holes can be pierced. The tamp pads are customized to the dimensions of the label sizes on request.

Blow pad



For applying pressure to sensitive products the label can be blown onto the product with the supporting air jet stream. The print and apply cycle performs in a fixed position or in a linear movement of the product. The blow pad moves to a pre adjusted position approx. 10 mm away from the product.

Roll-on pad



Using the roll-on pad the label is dispensed until it touches the roller. The tamp pad moves on top of the product. The label is then rolled on and applied by the movement of the product.

Printer on lower frame



Lower frame



The lower frame can be customized according to the special requirements regarding width and height. The print and apply system is positioned by adjusting two bolts. The exact position of the system can be adjusted on a guide rail.

The stand for flexible printer mounting



The stand enables the fast and flexible application of the printer in every manufacturing line. The labelling position is easy to adjust in height and width. Four guide rollers at the undercarriage provide for mobility. It is adjusted with bases at the place of installation.

The print and apply system is mounted on a base plate with a thickness of 10 mm and can be fixed with only one clamp.

Stand



Stand	
Total height mm	1600
Labelling height up to mm	1400
Projection mm	230 - 500
Undercarriage (base distance)	
Width x Depth x Height mm	600 x 860 x 140

Optimal output through optimal input

Printer Control

Direct programming with J-Script

J	Job Start
H 100	Speed (100 mm/s)
O R	Orientation rotated by 180°
S 11;0,0,68,70,100	Size of label (100x68 mm, gap 2 mm)
T 10,10,0,5,pt20;sample	Text object/font: Swiss bold, 20 pt
B 10,20,0,EAN-13,SC2;401234512345	Barcode EAN 13, size SC 2
G 8,3.5,0;R:30,9,0.3,0.3	Graphic, box 30 x 9 mm, Line strength 0.3 mm
A 1	Number of labels (in this example 1)

cab J-Script allows easy programming of the printer by using text strings and this independently from the used label software. Labels can be designed and the status of the printer can be enquired. The memory card allows to save complex layouts, graphics and fonts, which reduces the data transmission time.

abc - Basic Compiler

```

default.lbl - Editor
Datei Bearbeiten Format Ansicht ?
<ABC>
DO
  LINE INPUT a$
  IF LEFT$(a$,15)="194300301480070" THEN
    PRINT "R t2;";MID$(a$,16)
  ENDIF
  IF LEFT$(a$,15)="194300300580172" THEN
    PRINT "R t3;";MID$(a$,16)
  ENDIF
  IF LEFT$(a$,15)="194300301970073" THEN
    PRINT "R t1;";MID$(a$,16)
  ENDIF
  IF a$="Q0001" THEN
    PRINT "A 1"
  ENDIF
LOOP
</ABC>
    
```

The cab Basic Compiler is always one step ahead. With an easy basic programming data is operated or logically combined before they are sent to the printer for further processing. This offers e.g. the possibility to emulate other printers or to integrate data strings from barcode readers or scales in printing processes. All data received is printed in real time.

Database Connector

The cab database connector allows to link up stand-alone printers via TCP/IP interface to central SQL databases in the network. Data can be requested, printed and written back during the printing process.

Monitoring

cab printer monitoring with Intra and Internet



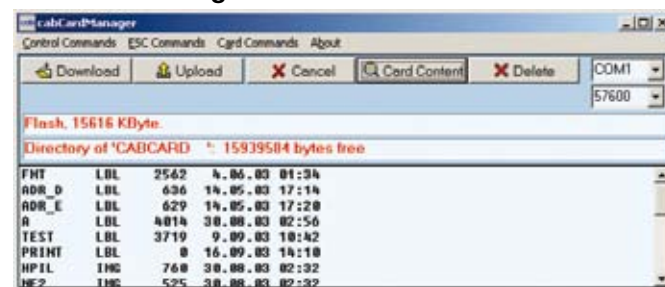
cab printers provide to be monitored and configured with standard web browsers or FTP clients. Firmware updates or data management on the memory card are easy to handle. By the use of SNMP- and SMTP clients, status, warning and error messages are sent via email or SNMP telegram to the network.

Administration

cab-Network Manager

The cab network administration enables the administrator to manage all printers connected to one network at the same time. With a single mouse click different printers can be monitored, configured or updated with firmware; furthermore PIN codes of the printers are changed and data on the memory card can be managed.

cab-Card Manager



Via RS 232 port the memory card can be administrated fast and easily. Label layouts, special text fonts, complex graphics or databases can be up- or downloaded.

cablabel software for cab printers



Perfect labels need optimized text fonts. cab offers a large number of bitmap and vector fonts. Height and width of the font can be scaled and the object can be positioned and arranged. Additional true type fonts can be downloaded to the memory card.

Most of the country specific codepages are supported.

cab Windows driver



Create and print your label with a Windows program for ex. MS Word, Excel, Access, Works, Corel Draw etc.

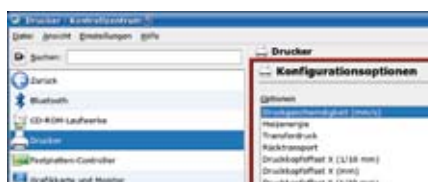
Windows printer driver are provided for Windows 98, ME, 2000, XP, 2003 and NT 4.0

Mac OS X driver



For MAC OS X cab offers a CUPS based printer driver. Please ask us.

Linux driver



For LINUX cab offers also a CUPS based printer driver.

The software to create labels

Powerful functions enable the creation and printing of even complex labels within minutes.

Take advantage of using the multiple possibilities of cablabel R2.

● cablabel R2 Lite

is equivalent to the previous Advanced-version. You get it - free of charge - with every cab printer.

● cablabel R2 Professional

Assistant for UCC/EAN 128 barcode. Allows the collection of printing data from different data bases.

Whether simple texts, barcodes, graphics and the connection of databases, cablabel R2 is most flexible - all in 24 languages.

MDI (Multiple Document Interface) helps to open and handle several labels at the same time. Objects can be copied, moved and inserted into another label.

cablabel R2 provides its own drivers with individual respond to all different function of cab printers. This most effective way of communication between software and printer enables to achieve perfect results.

Further label Software

cab offers a range of additional label software (Easylabel, Codesoft, NiceLabel) enabling to program printers, to print and to apply systems.

cablabel R2	Lite Prof.	
32-Bit Platform compatibility	■	■
Languages European Version: Arabisch, CZ, D, DK, E, F, FIN, GB/USA, H, I, IL,N, NL, P, PL, RUS, S, TR	■	■
Languages Asian Version : Chinesisch, EST, J, LV, ROK	■	■
Label samples	■	■
Online documentationwith tutorials	■	■
Multi-level Undo number of levels	■	■ 40
Graphic format import	■	■
Color support	■	■
Color graphic reduction		■
Text art		■
True Type font	■	■
Graphic barcodes numbers	■	■ 37
Native printer barcodes	■	■
Hidden (not printable) objects		■
Label preview	■	■
Graphics preview	■	■
Grid view/print		■
OLE-Client		■
Windows driver support		■
Control of printers	1	99
Support of net printer (TCP/IP)		■
Bi-directional communication to the printer		■
Stand-alone		
Printing to file	■	■
Font Downloader	■	■
Database		
Database Manager		
Access, DBF	■	■
ASCII, ODBC, OLEDB		■
Variables		
Flexible date and time stamping	■	■
Host of date and time with Date offset		■
Printing counter	■	■
Host counter		■
Variable graphic images		■
Free variables		■
Global files		■
Decimal value formatting		■
Basic formular		■
User Input Fields		
Text alignment		■
Set input format		■
Minimum input length		■
Selection of default values		■
Automatic prompt		■
Extras		
UCC/EAN 128 and Maxicode Assistant		■



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