



# Barcode-/Label Printer A+

## The Premium Class.

### 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.



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## 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<sup>+</sup>

#### 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<sup>+</sup>  
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<sup>+</sup>

#### 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<sup>+</sup>

## 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 axes 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

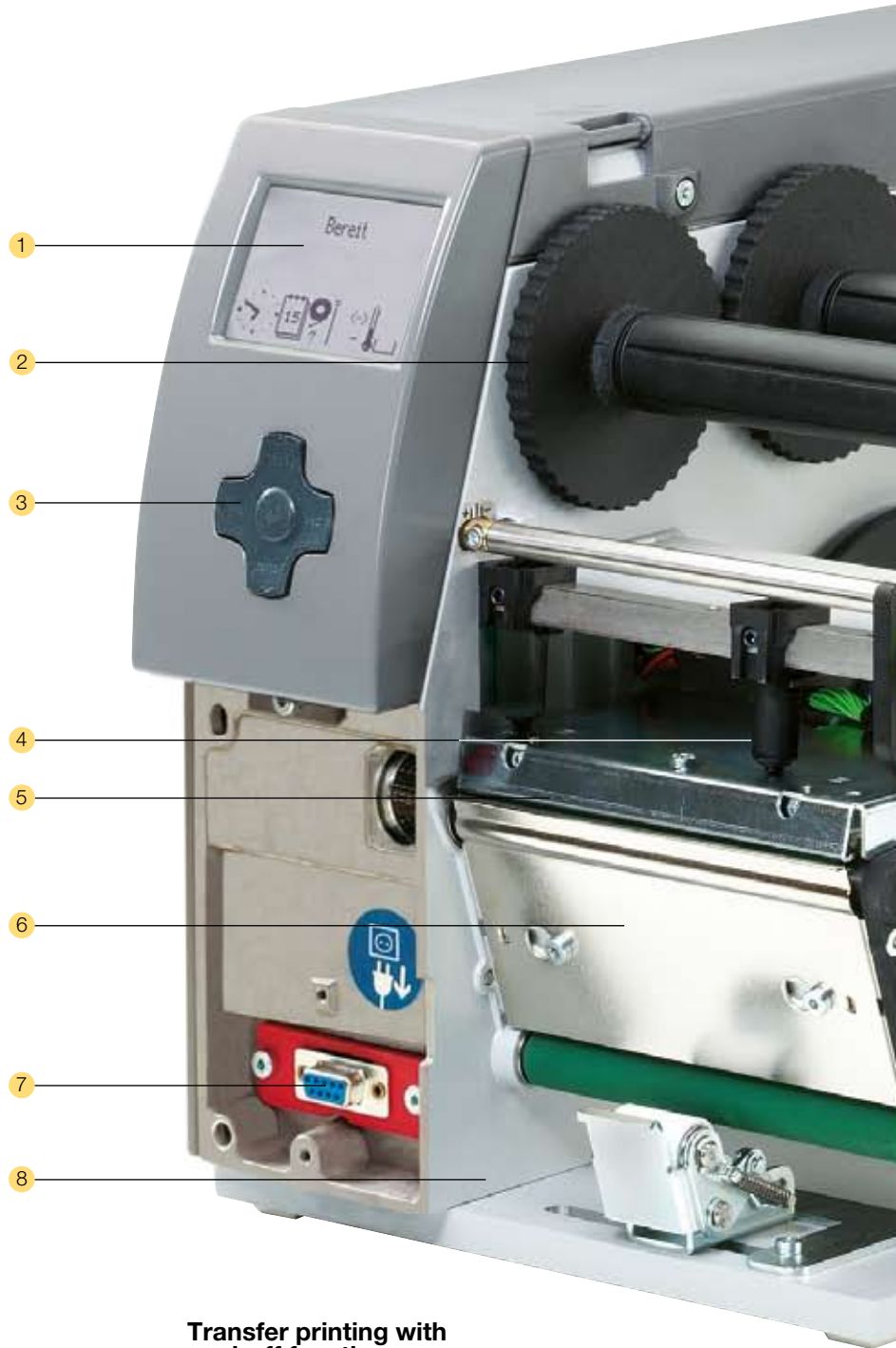
It is made of dye-cast aluminium. All devices are assembled to it.

#### 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 axes 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.

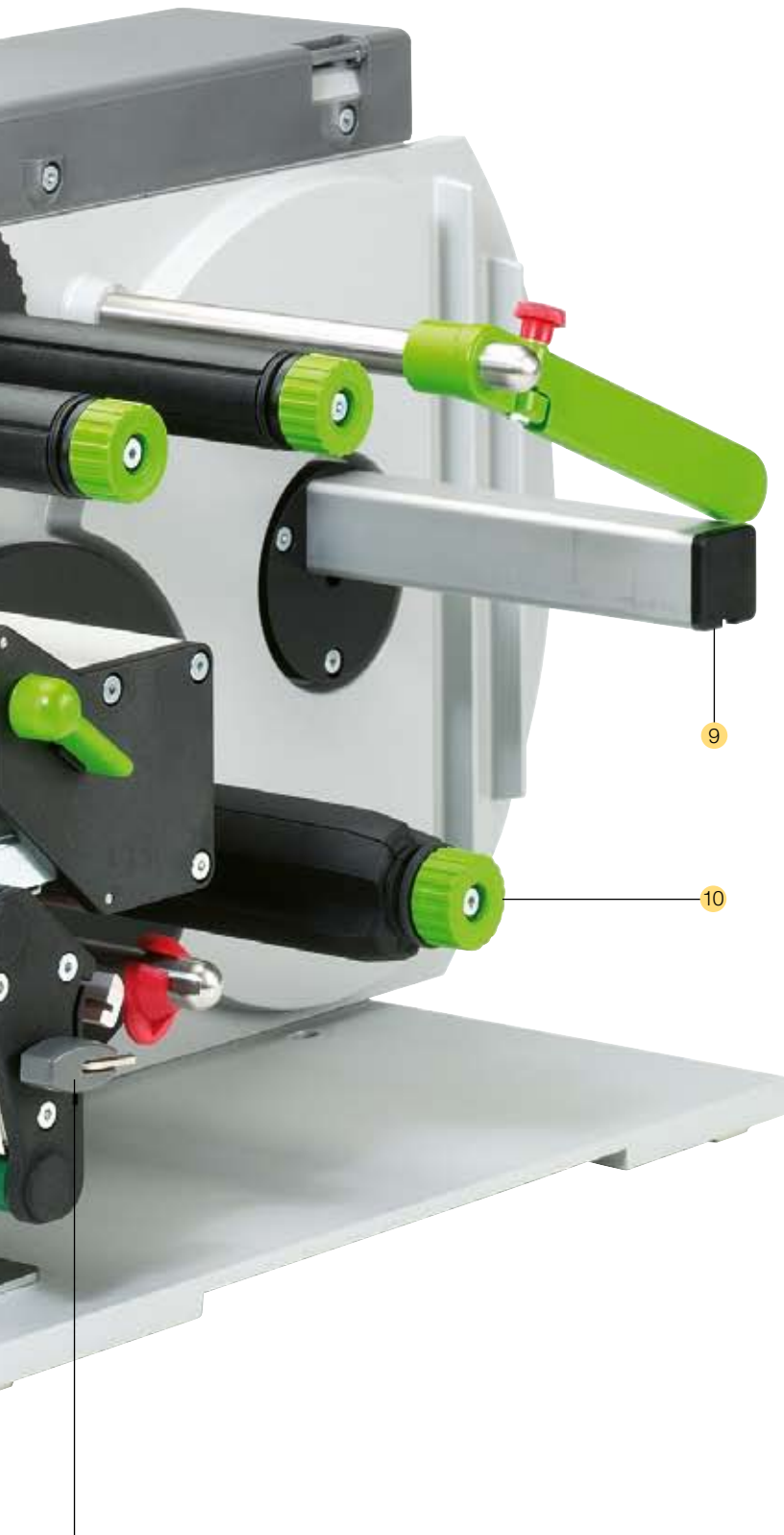
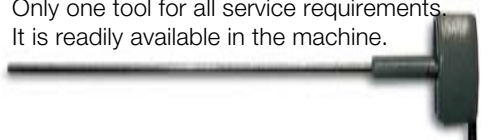
### Print roller



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/m²		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 <sup>1)</sup> min. mm		25				50	-		
Label height min. mm		5				6	10		
Label height when dispensing <sup>1)</sup> min. mm		12				25	-		
Label height max. mm		2000	2000	2000	1000	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		□							

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

■ Standard □ Option

<b>10. Settings</b>	
	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.
<b>11. Monitoring</b>	
Stop printing if	End of ribbon End of labels Printhead open
<b>12. Test routines</b>	
	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.
<b>13. Fonts</b>	
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

<b>14. Graphics</b>	
Graphic elements	Line, arrow, box, circle, ellipse, filled and filled with fading
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG
<b>15. Codes</b>	
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.
<b>16. Software</b>	
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
<b>17. Operation data</b>	
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	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Cutter CU-I	12	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Barcode tester	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Guide plate for internal rewinding	13	-	●	<input type="checkbox"/>	<input type="checkbox"/>	-	-
5. External re-winder for direct printer connection	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. External re-winder with built-in power supply	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. External un-winding of rolls up to 300 mm Ø	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Peel-off plate PS5 for automatic operation	14	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
9. Present sensor PS8 for manual operation	14	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
10. Present sensor PS6 for manual /automatic operation	14	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
11. Pause adapter PS7 – pause of print job	14	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Extended peel-off plate	14	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
13. Sidewise displaced photo cell	14	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
14. Adapter 76 mm Ø	15	●	●	<input type="checkbox"/>	<input type="checkbox"/>	■	■
15. Adapter 100 mm Ø	15	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Rotating label un-winder 76 mm Ø	15	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Memory card	15	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. External operation panel	15	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Numerical keyboard	15	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Compact keyboard	15	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

● Models ■ Standard ☐ Option

## Cutting labels and continuous material

### 1. Cutter CU



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.

### 2. Cutter CU-I



#### 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 <sup>2</sup>	500			
Material width up to mm	65	120	180	232
Material height from mm	2 - Depending on material limitation			
Cutter tray	-	<input type="checkbox"/>	-	-

**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+).

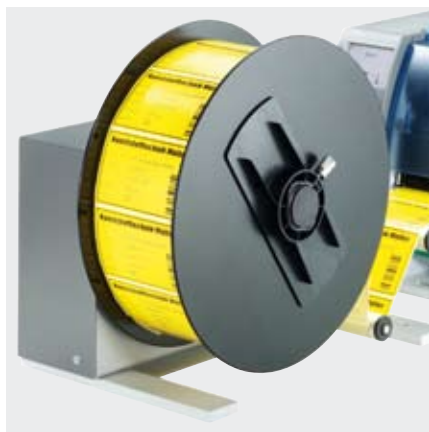
### 5. External re-winder



#### 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 <sup>+</sup> -Series devices			all A <sup>+</sup> -Series-devices a. other manuf.			
Material widht 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 <sup>+</sup> -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
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**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**

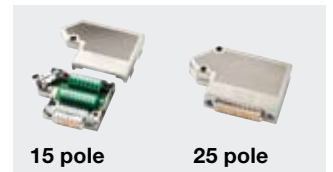
For semi-automatic applications the printing, cutting and the peel-off-function can be activated via manual control switch.

**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 chanels 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**

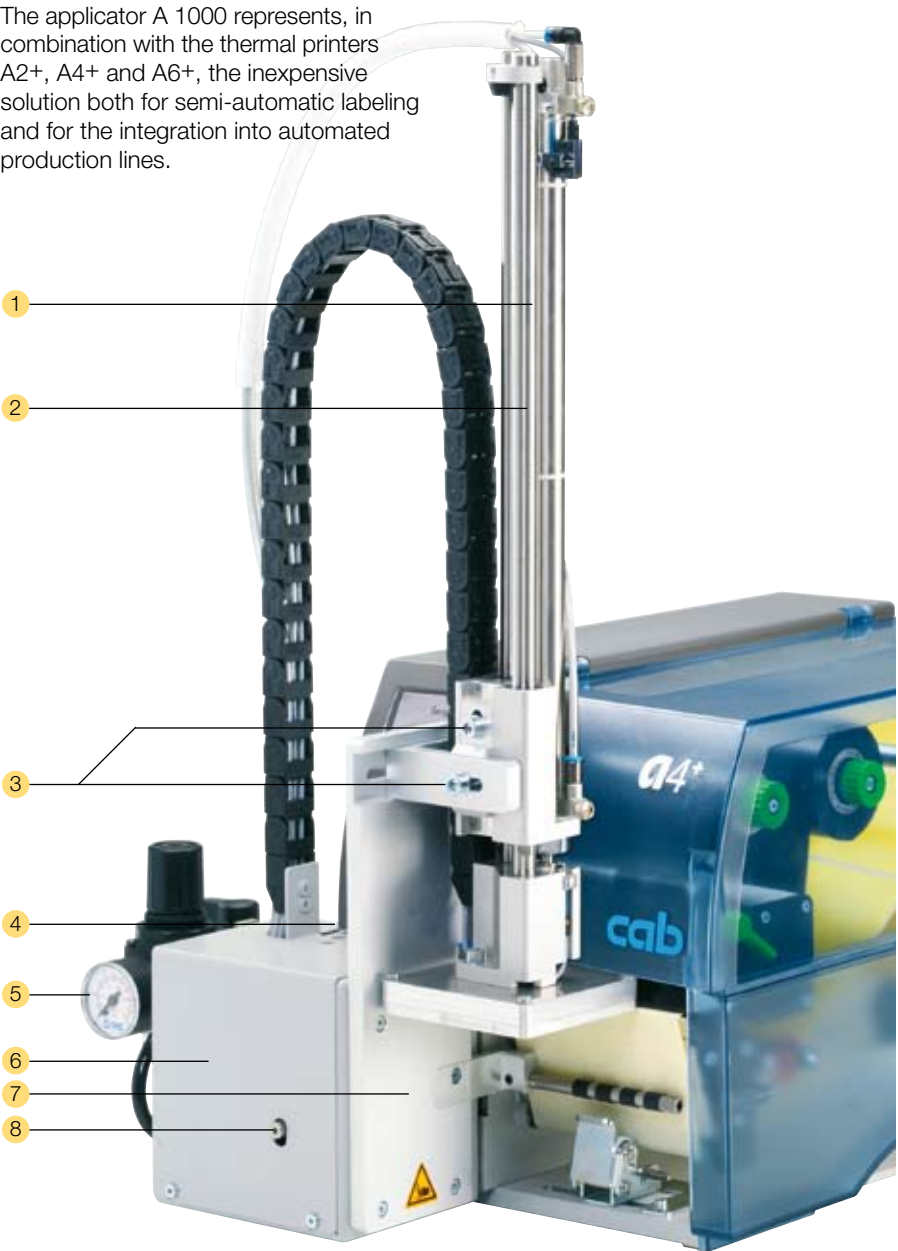
Like any other accessory, the applicator is plugged into the printer with two stoppers and can be fixed with only one screw.

**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 tranfer 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**

**Printer holder  
for A4+ and A6+,  
A2+ on request**

<b>Stand</b>	
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

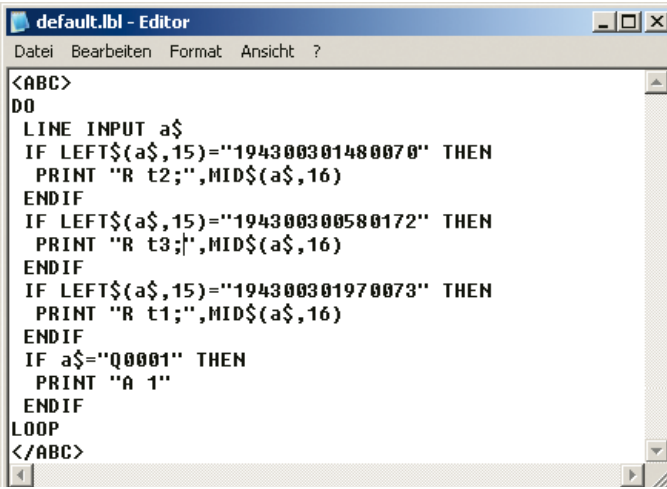
Printer Control

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



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



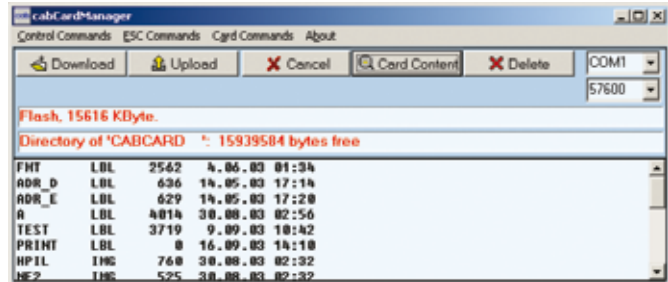
cab printers provide to be monitored and configured with standard web browsers or FTP clients. Firmware updates or data management on the memory card are easy to handle. By the use of SNMP- and SMTP clients, status, warning and error messages are sent via email or SNMP telegram to the network.

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.

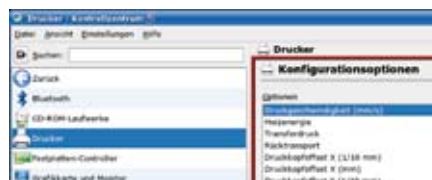
Windows printer driver are provided for Windows 98, ME, 2000, XP, 2003 and NT 4.0

### 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.

<b>cablabel R2</b>	<b>Lite</b>	<b>Prof.</b>
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	1	40
Graphic format import	■	■
Color support	■	■
Color graphic reduction		■
Text art		■
True Type font	■	■
Graphic barcodes numbers	9	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		■
<b>Stand-alone</b>		
Printing to file	■	■
Font Downloader	■	■
<b>Database</b>		
Database Manager		
Access, DBF	■	■
ASCII, ODBC, OLEDB		■
<b>Variables</b>		
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		■
<b>User Input Fields</b>		
Text alignment		■
Set input format		■
Minimum input length		■
Selection of default values		■
Automatic prompt		■
<b>Extras</b>		
UCC/EAN 128 and Maxicode Assistant		■

■ Standard □ Option

Printer					Spare Parts			
Basic-version	Disp.-version	dpi	Part No.		Printhead Part No.		Rollers Part No.	
■	■	300	5954511	Transfer printer A2+/300	5954105	Printhead 2/300	5954102	Driver roller DR2
		300	5954512	Transfer printer A2+/300P			5954104	Rewind assist r. RR2
■	■	203	5954500	Transfer printer A4+/200	5954081	Printhead 4/203	5954180	Driver roller DR4
		203	5954505	Transfer printer A4+/200P			5954183	Rewind assist r. RR4
■	■	300	5954501	Transfer printer A4+/300	5954072	Printhead 4/300		
		300	5954506	Transfer printer A4+/300P				
■	■	600	5954502	Transfer printer A4+/600	5954077	Printhead 4/600		
		600	5954507	Transfer printer A4+/600P				
□	□	203	5954524	Transfer printer A4.3+/200	5954085	Printhead 4.3/203		
		203	5954526	Transfer printer A4.3+/200P				
□	□	300	5954525	Transfer printer A4.3+/300	5954089	Printhead 4.3/300		
		300	5954527	Transfer printer A4.3+/300P				
■	■	300	5954513	Transfer printer A6+/300	5954106	Printhead 6/300	5954245	Driver roller DR6
		300	5954514	Transfer printer A6+/300P			5954246	Rewind assist r. RR6
■		300	5954517.101	Transfer printer A8+/300 with metal cover	5954107	Printhead 8/300	5954103	Driver roller DR8

■	■	300	5954528	Thermal direct printer A2+/300	5954105	Printhead 2/300	5954102	Driver roller DR2
		300	5954529	Thermal direct printer A2+/300P			5954104	Rewind assist r. RR2
■	■	203	5954530	Thermal direct printer A4.3+/200	5954085	Printhead 4.3/203	5954180	Driver roller DR4
		203	5954531	Thermal direct printer A4.3+/200P			5954183	Rewind assist r. RR4
■	■	300	5954532	Thermal direct printer A4.3+/300	5954089	Printhead 4.3/300		
		300	5954533	Thermal direct printer A4.3+/300P				
■	■	300	5954515	Thermal direct printer A6+/300	5954106	Printhead 6/300	5954245	Driver roller DR6
		300	5954516	Thermal direct printer A6+/300P			5954246	Rewind assist r. RR6
■		300	5954518.101	Thermal direct printer A8+/300 with metal cover	5954107	Printhead 8/300	5954103	Driver roller DR8

■	■	59545xx.101	Printer with metal cover (A4+, A6+)
□	□	59545xx.103	Printer with metal cover and RFID Read-Write unit 13.56 MHz
□	□	59545xx.102	Printer with RFID Read-Write unit 13.56 MHz

# Interfaces




































5561041	WLAN-card 802.11 b/g
5954200	Parallel Centronics
5954201	Serial RS422/RS485
5551279	Twinax-Converter
5551280	Coax-Converter
5954191	Label selection box
5550818	Cable RS232 C 9/9-pin, length 3 m
5901616	Cable USB Length 3 m
5901656	Cable USB Mini length 3 m

# Accessories



5954012	Metal cover A4+
5954013	Metal cover A6+
5948382	Cutter CU2
5948000	Cutter CU4
5948001	Cutter CU6
5948002	Cutter CU8
5948897	Cutter CU2-I
5948899	Cutter CU4-I
5948890	Cutter CU6-I
5948896	Cutter CU8-I
5946995	Cutter tray 4
5948650	Tear-off plate TP2
5946244	Tear-off plate TP4
5946414	Tear-off plate TP6
5954108	Rewind guide RG2 for internal rewinding
5954190	Rewind guide RG4 for internal rewinding
on request	Barcode tester hl40-2
5570820	Barcode tester hl40-4
on request	Barcode tester hl40-6
5948102	External re-winder ER1/210
5943251	External re-winder ER2/210
5945802	External re-winder ER3/210



Accessories		Applicators	
Part No.	Description	Part No.	Description
	<b>5948100</b> External re-winder ER4/210		<b>5949002</b> Applicator A 1000-300
	<b>5946090</b> External re-winder ER4/300		
	<b>5946420</b> External re-winder ER6/300		
	<b>5945804</b> External re-winder ER8/300		
	<b>5948170</b> Adapter plate for ER/EU		<b>5949072</b> Universal tamp pad A1021 70 x 60
	<b>5946091</b> External un-winder EU4/300		
	<b>5946421</b> External un-winder EU6/300		<b>5949075</b> Universal tamp pad A1021 90 x 90
	<b>5945806</b> External un-winder EU8/300		
	<b>5954374</b> Adapter 76 mm Ø		<b>5xxxxxx</b> Tamp pad A1021 W x H
	<b>5954375</b> Adapter 100 mm Ø		<b>5949076</b> Universal tamp pad A1321 116 x 102
	<b>5954371</b> Rotating label un-winder IU4 76 mm Ø		
	<b>5954372</b> Rotating label un-winder IU6 76 mm Ø		<b>5949077</b> Universal tamp pad A1321 116 x 152
	<b>5954373</b> Rotating label un-winder IU8 76 mm Ø		<b>5xxxxxx</b> Tamp pad A1321 W x H
	<b>5946900</b> Present sensor PS8 manual operation		<b>5xxxxxx</b> Blow pad A2021 W x H
	<b>5942353</b> Present sensor PS6 manual/automatic operation		<b>5xxxxxx</b> Roll on pad
	<b>5946120</b> Peel-off adapter PS5 Automatikbetrieb		
	<b>5946146</b> Pause adapter PS7		<b>Fit-up aid</b>
on request	Extended peel-off plate		<b>5949093</b> Lower frame 340x160
on request	Sidewise displaced photo cell		<b>5xxxxxx</b> Lower frame W x H
	<b>5561042</b> Memory card 256 MB CompactFlash Type I		<b>5947400</b> Stand 1600
	<b>5954380</b> External operation panel		
	<b>5917909</b> Numerical PC keyboard USB		
	<b>5901630</b> Compact PC keyboard USB Cherry Classic Line G84 4100		<b>8913693</b> Printer holder
	<b>5942345</b> Present trigger TR1		
	<b>5535901</b> Foot switch PLC		<b>Testbox</b>
	<b>5941526</b> Light barrier to start PLC		
	<b>5917652</b> Interface connector SUB-D-plug 15 pole Phoenix Contact 2761606		<b>5533240</b> Testbox 2 Automatic operation
	<b>5917651</b> Interface connector SUB-D-plug 25 pole Phoenix Contact 2761622		<b>Software</b>
			<b>5580210</b> cab-Database Connector
			<b>5580215</b> cab-Network Manager
			<b>5580216</b> cab-Card Manager
			<b>5580220</b> Label software cablabel R2 Lite
			<b>5580221</b> Label software cablabel R2 Professional

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

22 Ribbons



Many good reasons for cab ribbons

For small or broad labels - cab always offers the matching ribbons. Perfectly aligned to the cab printers they provide constant quality. cab ribbons feature a special coating at the back side to dissipate the dispensible heat of the printhead. This is to improve the printed design and to ensure the longlife cycle of the print-head.

Technical data

Color: black  
Ink: inside  
Core Ø: 1"  
Length: 360 m

Colored Ribbons on request

Quality: wax, resin/wax and resin  
Colors: green, blue, red, brown grey and white

Gold and Silver Ribbon on request

These ribbons are used instead of hot stamping films for a particularly high quality printing on labels which are used as jewellery or decoration.

Wax Ribbon

For the economic and high contrast printing on vellum or other coated papers.

W41 high optical density  
W42 better wiping resistance

Resin/Wax Ribbon

For high resistance against abrasion and scratching on chromated or coated papers and plastic label material.

RW62 good optical density  
B110 AX univeral use  
For fine fonts and smooth graphic elements

Resin Ribbon

For high printing resistance on plastic label materials and for labels with coated, respectively glossy surface.

R71 universal use  
B110 C/CX highest scratch-resistance

Wax black				
W41			W42	
Width mm	Part No.	PU	Part No.	PU
25	5556560	45		
38	5556561	30		
51			5300302	36
55	5556512	30		
76	5556564	15	5300304	24
89	5556565	15	5300305	24
102	5556566	15		
110	5556527	15		
114			5300307	12
130	5556528	15	5300310	12
152			5300311	12
154	5556529	15		
165	5556530	15	5300312	12
190	5556531	15		
220	5556117	15	5300313	12

Resin/Wax black				
RW62			B110 AX	
Width mm	Part No.	VP	Part No.	VP
25	5556011	48		
38	5556012	48	5556160	20
51	5556013	36		
55			5556161	20
64	5556014	36		
76	5556015	24	5556162	10
89	5556016	24		
90			5556163	10
100			5556172	20
102	5556017	24		
114	5556018	12	5556164	10

Resin black				
R71		B110 C	B110 CX	
Width mm	Part No.	Part No.	Part No.	PU
25	5556668			20
38	5556673	5556760	5556360	20
55	5556661	5556761	5556361	20
76	5556662	5556762	5556362	10
89	5556663			10
90		5556763	5556363	10
100		5556765	5556365	10
102	5556666			10
110	5556695			10
114			5556364	10
130	5556697	5556764		10
154	5556696			10
165	5556806			10
190	5556698			10
220	5556807			10

PU = Packaging unit

### Thousands of reasons to buy cab labels

Our delivery program contains all usual qualities and formats, also in small quantities. Whether you need standard, blank or preprinted labels, cab always supplies best quality, fast and to a reasonable price.

For any kind of application – cab has the right material.

Polyester white or silver.

PVC flexible and dimensionally instable.

Polyimid for high temperatures.

Paper white for universal use.

The following materials and formats are on stock and can be delivered expeditiously.



#### Technical data:

Adhesive: strong / durable

Winding direction: Labels outside

Core diameter: 76 mm

Roll diameter: up to 200 mm

#### Paper M-Cote white

Universal standard label, bright white with strong, durable adhesive.

M-Cote is used for shipping labels or universal product identification labels in industry, distribution and services. This material is particularly suitable for all cab printer models.

#### Polyester white matt

High quality polyester material for high stress level, tearproof, dirt and water repellent, oil resistant, temperature resistant between approx. -20°C up to 100°C. Individual identification of goods in the warehouse, products on consignment, in production areas or outside, and much more.

#### Polyester silver matt

Type- and rating plate for inside and outside applications. Provides good adhesive for smooth surfaces. Temperature resistance of -40°C – 150 °C, according to UL and CSV guide lines. Mainly used for high quality, durable type plates, resp. instruction labels on machines, tools, vehicles...

Paper M-Cote white semi glossy			
Part No.	Width mm	Height mm	Labels on roll
5556470	25	10	7.000
5556471	40	20	3.500
5556472	54	35,5	2.250
5556473	68	58	1.400
5556474	75	35	2.300
5556475	89	36	2.500
5556476	85	50	1.500
5556477	100	42	2.000
5556480	100	150	500
5556478	110	68	1.200
5556479	115	99	800
5556450	157	112	1.500
5556491	148	210	850
5556489	210	149	1.000
W41/W42	recommended ribbon		

Polyester white matt		Polyester silver matt 3M 7818		
Part No.	Part No.	Width mm	Height mm	Labels on roll
5556485	5556495	25	8	10.000
5556486	5556496	50	30	2.500
5556487	5556497	60	40	2.000
5556488	5556498	85	50	1.500
RW62 / R71 / B110 CX		recommended ribbon		

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