



Label Printer **A⁺** Series

The Premium Class.

2 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 harmonized in form and function. Any specific customer requirement can be realized with the exten-

sive amount of periphery and software. Stand-alone operation, PC-application or network 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 /8.5" size wide.

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 speed up to mm/s	150		
Print width up to mm	54.2		



a2+

The fast allrounder
material width up to 120 mm

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



a4+
203/300/600 dpi

The broad
material width up to 180 mm

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



a6+

The extra broad
material width up to 235 mm

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



a8+

4 Technical details

Precise printing Elaborate - easy made

1. Big graphic display

White backlight guarantees clearness of display.

2. Ribbon retainer

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

3. Easy adjustment

The printhead is pressed down with two sliding toggles. One is mounted to the left label margin, the other one is pushed to the right label margin.

4. 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.

5. Peripheral connection

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

6. Solid, buckling resistant chassis

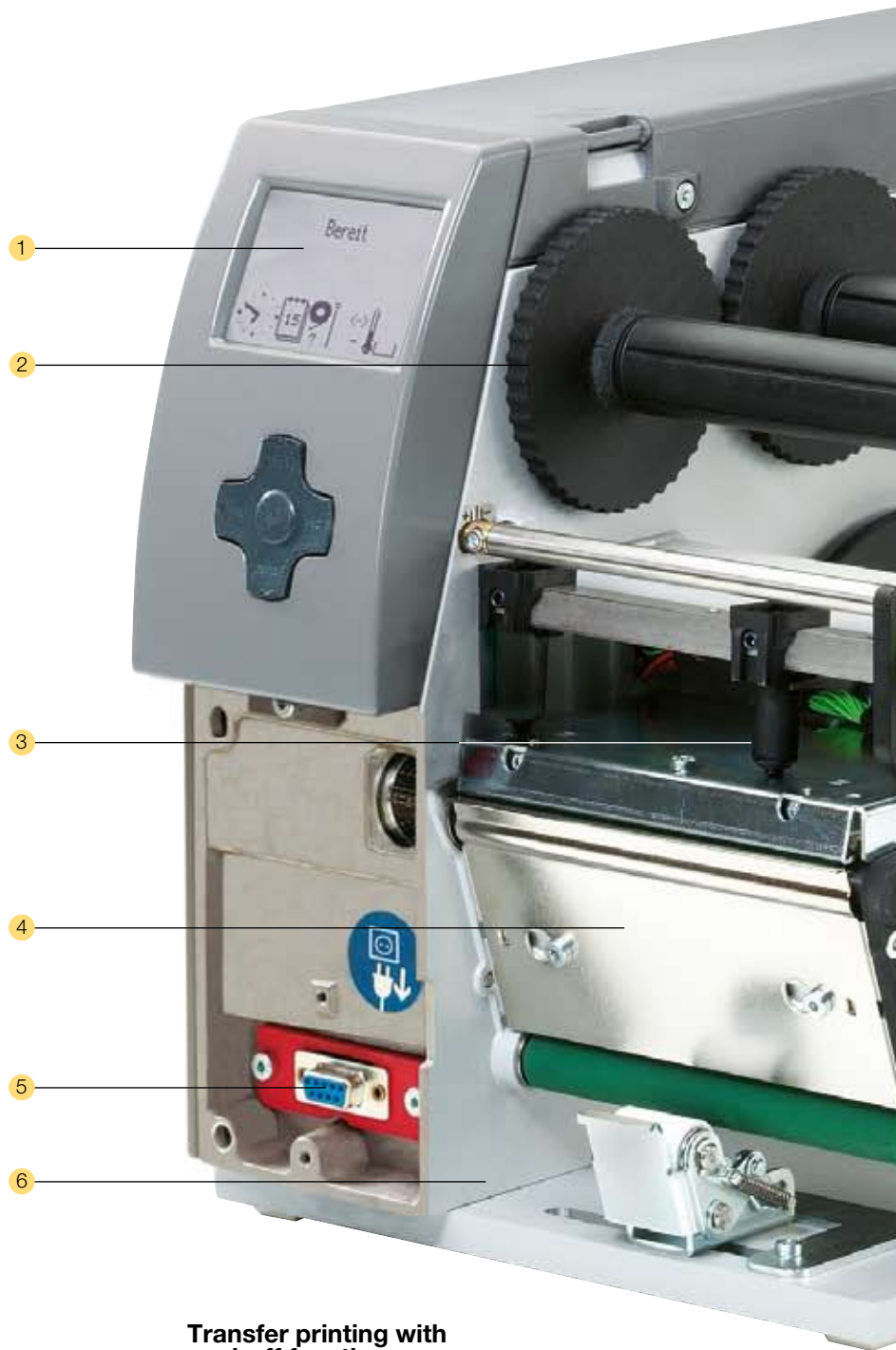
It is made of dye-cast aluminium. All devices are assembled to it.

7. Roll holder

Designed to accommodate rolls 38 - 76 mm. Adaptors for rolls up to 100 mm and rotating roll holders are also available. With the clamp small rolls are also held securely.

8. Label re-winder

The threepart tension axles allow labels or backing paper to be rewound with or without the use of a core. Removal of the roll is easy.

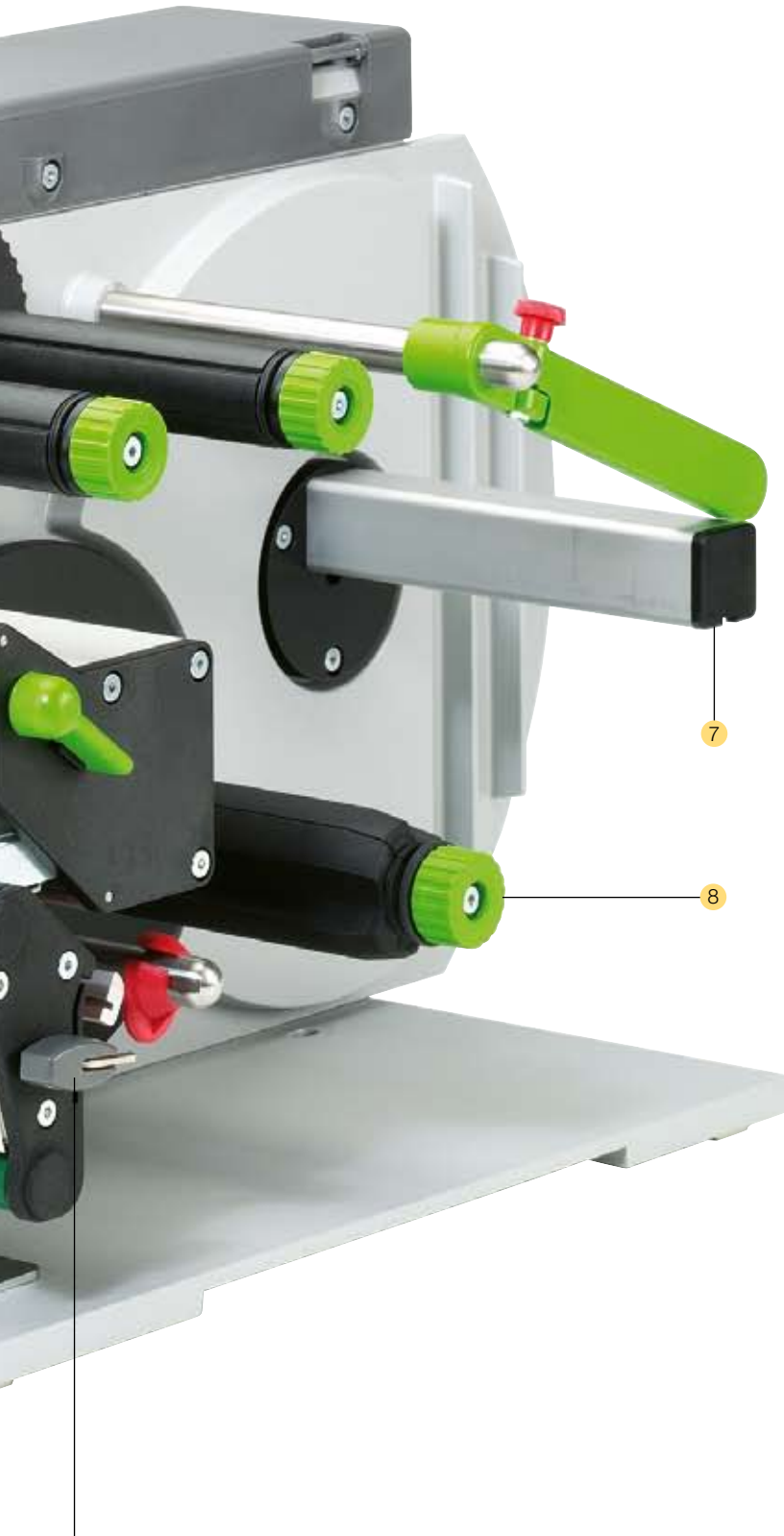


Transfer printing with
peel-off function



Environmentally sensitive
Energy-saving
Durable

Easy servicing and removing of consumables



Label sensor



The label sensor 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.

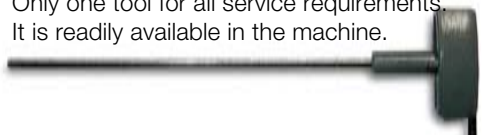
Print roller



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

9. One tool for all maintenance tasks

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



6 Models

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



All transfer printers can be used as thermal direct printers. It is recommended to use a printer of the A4.3+ series at a material width up to 120 mm.

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-part cover of impact resistant plastic folds when opened. Therefore, the printer needs the smallest footprint in its class.

Metal 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 before the printing process. Please ask for our separate data sheet.

All required interfaces are factory installed

Peripheral connection

- 1. Two **USB-Master** interfaces to connect keyboard, scanner, external operation panel.
- 2. Slot for memory card **CompactFlash Type I Card** up to 2 GB.



PC/SPS interfaces

- 3. **Serial RS232 C** interface up to 230,400 Baud
- 4. **USB 2.0 High Speed Slave** interface
- 5. **Parallel Centronics** acc. IEEE 1284
The data from the Centronics interface are converted onto the USB Full Speed interface.
- 6. **Serial RS422** for long distance communication
Serial RS485 for networking up to 25 printers.
- 7. **Label selection box**
Up to 16 different input signals for automatic loading and printing of labels from the memory card.



Network connection

- 8. **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 synchronization through time server.
 - 9. Slot for **Wireless LAN-Card** or **PC-Card Type II** (PCMCIA)
 - 10. **WLAN-card IEEE 802.11 b/g** for wireless network connection, dependent 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
- Standard Option



Stand-Alone operation without PC

Complete labels can be created on a PC with a labelling software program such as cablabel R2, Codesoft or Easy-label. It will be saved on a CompactFlash card in the printer.

Recall of these this labels from the printer with a keyboard. Add variable text, database values and graphics, then print out the requested labels.

Additionally data from scanners or e.g. scales can be transmitted.



8 Technical data

1. Printhead	A2+	A4+	A4.3+ ¹⁾	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 mm	54.2	104	105.6	105.6	104	108.4	162.6	216
2. Labels								
Material: Labels, continuous rolls or fan-folded	thermal and standard paper, cardboard, textile, plastic foils PE, PP, PVC, PA, PI							
Material thickness mm / weight g/m ²	0.055 - 0.8 / 60 - 250							
Media roll: Total diameter up to mm	210							
Core diameter mm	38 - 100							
Winding direction	inside our outside							
Width of carrier or of continuous material mm	25 - 65	25 - 120			50 - 180	50 - 235		
Label width mm	4 - 61	4 - 116			50 - 176	50 - 220		
Label height min. mm	4 - 1000			6 - 1000	10 - 1000			
Label height when dispensing ²⁾ min. mm	12 - 200			25 - 200	-			
3. Ribbon								
Ink	inside or outside							
Roll diameter up to mm	80							
Core diameter mm	25							
Ribbon length variable up to m	500							
Width up to mm	56	114		165	220			
4. Internal re-winder (only Peel-off version)								
Total diameter up to mm	145							
Core diameter mm	38.1							
Winding direction	only outside							
5. Dimensions printer								
Height x Depth mm	274 x 446							
Width mm	190	242		302	352			
Weight kg	8,5	9		13	15			
6. Label sensor								
Reflective sensor for „End of material“, „Label margin“ and „Punching mark“. Reflective sensor from below for printer's imprint. See through/Reflective sensor from) below, adjustable mm	5 - 26	5 - 53						
7. Electronics								
Processor 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-ad out of time and date	■							
8. Operation panel								
Buttons illuminated, depending 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-directional acc. IEEE 1284	□							
Serial RS 232 C 1.200 up to 230.400 Baud/8 Bit	■							
USB 2.0 High Speed Slave for PC-connection	■							
Ethernet 10/100 Base T, LPD, RawIP-Printing, ftp-Printing, DHCP, HTTP, FTP, SMTP, SNMP, NTP, Zeroconf, mDNS	■							
RS 422, RS 485 1,200 up to 230,400 Baud/8 Bit	□							
Peripheral connection	■							
WLAN card 802.11b/g	□							
USB Master for keyboard and scanner	2x ■							

■ Standard □ Option

¹⁾ Preferably for thermal direct.

²⁾ Depending on label size, material and adhesive limitations are possible. Critical material or applications have to be tested and cleared.

10. Monitoring	
Stop printing if	End of ribbon End of labels Printhead open
11. Settings	
	Country and language settings AT, BE, BG, CH, CN, CZ, DE, DK, ES, EE, FR, FI, GB, GR, HU, HR, IR, IT, JP, KR, LT, LV, MK, MX, NO, NL, PT, PL, RU, SE, SI, RS, TR, US, ZA system settings, print parameters, Interfaces, security
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 etc. 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. Optional chinese (simplified chinese)
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.
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 Code 39 Full ASCII Code 128 A, B, C Codabar EAN 8, 13 EAN/UCC 128 EAN/UPC Appendix 2 EAN/UPC Appendix 5 FIM HIBC	Interleaved 2/5 Ident- and lead code of german Post AG JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0
2D-Codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14 truncated, limited, stacked and stacked omnidirectional, EAN-Datamatrix	
	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 programming abc-Basic Compiler Database Connector	■ ■ <input type="checkbox"/>
System diagnosis/ Administration	printer monitoring Network Manager	■ <input type="checkbox"/>
cab Label software	cablabel R2 Lite cablabel R2 Pro	■ <input type="checkbox"/>
More Label software	Easylab, Codesoft, Nicelabel, Bartender, Label Matrix, Labelview	<input type="checkbox"/>
Windows driver	2000, XP32/64 bit, 2003 32/64 bit, Vista 32/64 bit	■
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. 300 W	
Operation temperat.	10 - 35°C	
Humidity	30 - 85% not condensing	
Approvals	CE, FCC class A, CB, CCC	
■ Standard <input type="checkbox"/> Option		

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

10 Accessories

Peripheral devices - optimal accessories at full benefit

For the printer	Page	Basic d.	Dispense d.	A2+	A4+	A6+	A8+
1. Cutter CU	10	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Perforation cutter PCU4	10	●	●	-	<input type="checkbox"/>	-	-
3. Barcode tester	11	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Guide plate for internal rewinding	11	-	●	<input type="checkbox"/>	<input type="checkbox"/>	-	-
5. External re-winder for direct printer connection	11	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. External re-winder with built-in power supply	11	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. External un-winding of rolls up to 300 mm Ø	11	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Peel-off plate PS5 for automatic operation	12	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
9. Present sensor PS6 for manual /automatic operation	12	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
10. Pause adapter PS7 – pause of print job	12	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Present sensor PS8 for manual operation	12	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
12. Present sensor PS9 custom specific	12	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
13. Extended peel-off plate	12	-	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
14. Adapter 76 mm Ø	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	■	■
15. Adapter 100 mm Ø	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Rotating label un-winder IUX 76 mm Ø	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. External operation panel	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Numerical keyboard	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Compact keyboard	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Standard keyboard	13	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Memory card	13	●	●	<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, cardboards, textiles or heat shrinkable tubing separately, either in multiple cuts or at the end of the print job.

2. Perforation cutter PCU4



The perforation cutter is used to cut labels, cardboards, textiles or heat shrinkable tubing separately, either in multiple cuts or at the end of the print job.

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	-	<input type="checkbox"/>	-	-

Perforation cutter	PCU4
For printer	A4+ / A4.3+
Material weight up to g/m ²	500
Material width up to mm	120
Material height from mm	12
Perforation gap mm	2.5 / 10
<i>More gaps on request</i>	
Cutter tray	<input type="checkbox"/>

Barcodes testing

3. Barcode tester



Testing barcodes directly after printing. Can be used together with the external re-winder ER4 - ER8.

For 2D-Codes on request.

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.

Labels on- and off-winding

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 by the rewind guide plate (for devices A2+ and A4+).

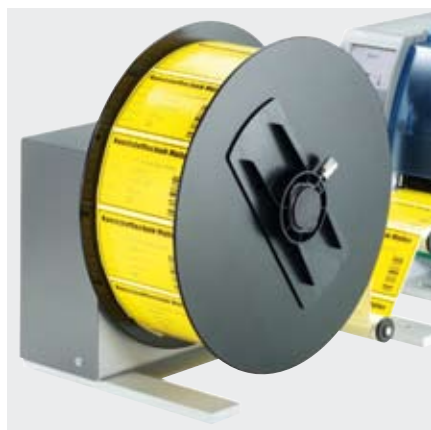
5. External re-winder



Direct connection onto the printer

The re-winder is screwed directly onto the printer. The label winding is optional inside or outside. A smooth and tight winding is due to the electronic control of the swing arm.

6. External re-winder



With built-in power supply

The re-winder can be attached to almost every other printer. All other technical data are according to the re-winder (see section 5).

7. External un-winder



For label rolls up to 300 mm Ø

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

External re-winder	ER1	ER2	ER3	ER4	ER4	ER6	ER8
Roll Ø max. mm	210	210	210	210	300	300	300
For printer	all A ⁺ -Series devices			all A ⁺ -Series-devices & other manufac.			
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	EU4	EU6	EU8
Roll Ø max. mm	300	300	300
For Printer	A ⁺ -Series & other manufactures		
Material width up to mm	120	180	235
Core Ø mm	40		
Adapter mm	76		
Winding of labels	inside or outside		

12 Accessories

Specific solutions for different requirements.

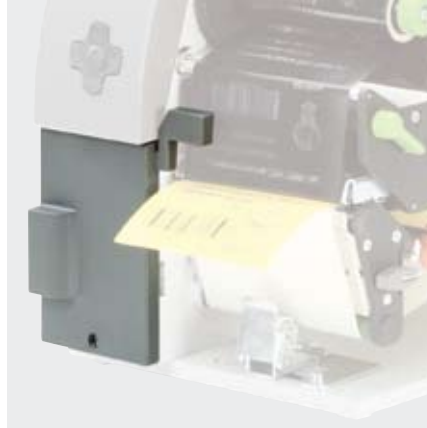
8. Peel-off adapter PS5



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 PS6



For manual and automatic operation

There are two options:

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

10. Pause adapter PS7



Interruption of print job

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

11. 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.

12. Present sensor PS9



For dispensing labels where the outer edges are not detected by the present sensor PS6. The extension is made on customer specification.

13. Extended peel-off plate



If labels are difficult to peel off we recommend a 10 mm extended peel-off plate.

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 we recommend a core diameter of 100 mm.

16. Loose un-winder IUX 76 mm Ø



Recommended for dust-sensitive areas. The roll is fixed tightly onto the un-winder. (No abrasion due to the cardboard core.)

17. External panel



18. Numerical keyboard



19. Compact keyboard



20. Standard keyboard



21. Memory card



Connection: USB	Connection: USB	Connection: USB	Connection: USB	CompactFlash Type I
Button: Pause, Feed, Cancel, Menu, Enter, 4 x Cursor	No. of keys: 19	No. of keys: 86	No. of keys: 115	Label formats, fonts, texts and graphics can be saved. It can be accessed from the printer or from the PC.
Display: 60 x 40 mm	L x W mm: 120 x 76	L x W mm: 282 x 132	L x W mm: 460 x 192	
Slot for: CF-card Type I		Cherry Classic Line G84-4100 LCM	Cherry G83-6504 LAD	
Interface: USB Master				

On this account the operation and the compliance with CE-standards is only warranted by using cab-made materials or materials recommended by cab.

22. Present trigger



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

23. Foot switch



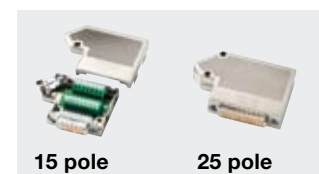
For semi-automatic applications the printing, and peel-off-function can be activated via foot switch.

24. Photo cell



For automatic product identification on the conveyor belt.

25. Sub-D plug



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

Supplies for	Peel-off adapter PS5	Present sensor PS6/9	Pause adapter PS7	Applicator A 1000
22. Present trigger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Foot switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Photo cell	-	-	-	<input type="checkbox"/>
25. Sub-D plug 15 pole	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25 pole	-	-	-	<input type="checkbox"/>

14 Applicator A 1000

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-dispense key

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

The mounting takes place directly on the printer. The micro strainer prevents contamination, the compressed air regulator guarantees the labeling 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 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

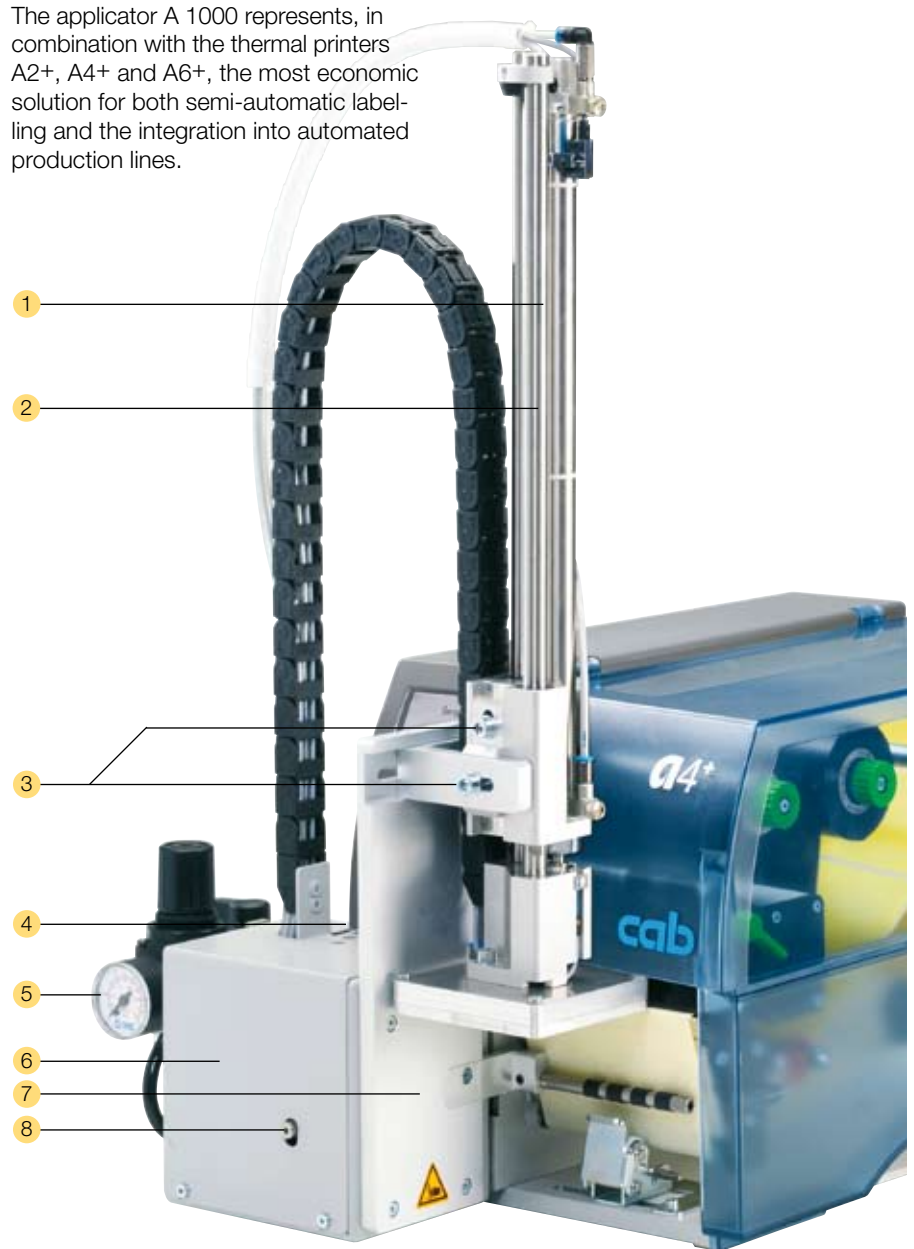
Like any other accessory, the applicator is plugged into the printer with two stoppers and can be attached with only one screw.

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 most economic solution for both semi-automatic labelling and 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



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

Stand	
Total height mm	1,600
Labeling height up to mm	1,400
Projection mm	230 - 500
Undercarriage (base distance)	
Width x Depth x Height mm	600 x 860 x 140

16 Software tools

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)

The printer language is easy to understand and integrate into your host system. Linkage of variable data with host application. Label design, graphics and fonts are recorded on the compact flash card. The host computer sends only the variable data to the printer.

abc - Basic Compiler

```

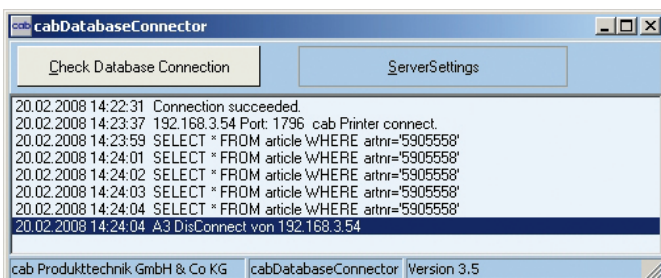
default.lbl - Editor
Datei Bearbeiten Format Ansicht ?

<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
</ABC>
  
```

As an integrated element of the firmware it enables the printer to process data via BASIC programming before being transmitted to print editing. Thereby external printer languages can be replaced or data from other systems, e.g. SPS, can be transferred to be printed on different label sizes.

Database Connector

The database connector enables stand-alone printers to link up data from a SQL-compatible database and to print. Data can be rewritten and modified simultaneously to the printing process.



Monitoring

Printer monitoring with Intra- and Internet

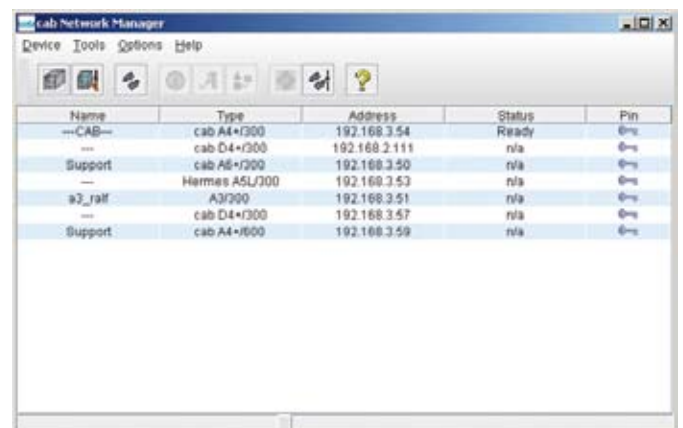


The integrated HTTP- and FTP-Server enables, with standard programs like web browser or FTP-clients, the print monitoring, configuration, the firmware-update and the administration of the memory card. Status signals, warning or error signals are sent to users or administrators either as email or SNMP-datagram via SNMP- and SMTP-clients.

Administration

Network Manager

The cabnetwork manager enables the user to govern several printers within the network at the same time. It supports monitoring, configuration, firmware updates, memory card, datasynchronization and PIN-administration centrally.



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 2000, XP 32/64 bit, 2003 32/64 bit, Vista 32/64 bit.

Mac OS X-Treiber



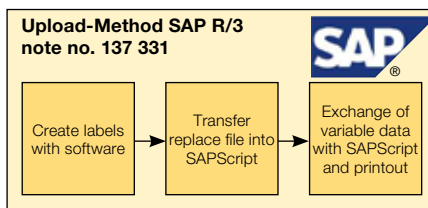
For MAC OS X cab offers a CUPS based printer driver.

Linux-Treiber



For LINUX cab offers also a CUPS based printer driver.

Integration into SAP R/3



cab developed together with SAP the "replacefile" application. This is a simple way to run cab printers with SAPScript out of SAP R/3.

The software to create labels



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.

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 Pro**

Allows the collection of printing data from different data bases. An assistant supports the creation of UCC/EAN 128 barcodes.

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 greater response to all different functions of cab printers. This most effective way of communication between software and printer enables to achieve perfect results.






Additional label Software










cab offers a range of additional label software (Easylabel, Codesoft, Nice-Label) to program printers, to print and to auto-apply systems.
















cablabel R2	Lite	Pro
32-Bit Platform-compatibility		
Windows 2000 SP4, XP Professionnel SP2	■	■
Server 2003 SP2 and Vista 32 bit		
Country and language settings		
AT, BE, BG, CH, CN, CZ, DE, DK, ES, EE, FR, FI, GB, GR, HU, HR, IT, IL, JP, KR, LT, LV, MK, MX, NO, NL, PT, PL, RU, SE, SI, RS, TR, US, ZA	■	■
Label samples	■	■
Online document. with tutorials	■	■
Multi-level Undo	■	■
number of levels	1	40
Graphic format import	■	■
Color support	■	■
Color graphic reduction		■
Text art		■
TrueType 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		■
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 formula		■
User Input Fields		
Text alignment		■
Set input format		■
Minimum input length		■
Selection of default values		■
Automatic prompt		■
Extras		
UCC/EAN 128 and Maxicode Assistent		■

18 Delivery program

dpi	Part No.	Printer Model	Expendable Parts	
			Printhead Part No.	Rolls Part No.
300	5954511	Transfer printer A2+/300	5954105.001 Printhead 2/300	5954102.001 Print roll DR2
300	5954512	Transfer printer A2+/300P		5954104.001 Rewind assist r. RR2
203	5954500	Transfer printer A4+/200	5954081.001 Printhead 4/203	5954180.001 Print roll DR4
203	5954505	Transfer printer A4+/200P		5954183.001 Rewind assist r. RR4
300	5954501	Transfer printer A4+/300	5954072.001 Printhead 4/300	
300	5954506	Transfer printer A4+/300P		
600	5954502	Transfer printer A4+/600	5954077.001 Printhead 4/600	
600	5954507	Transfer printer A4+/600P		
203	5954524	Transfer printer A4.3+/200	5954085.001 Printhead 4.3/203	
203	5954526	Transfer printer A4.3+/200P		
300	5954525	Transfer printer A4.3+/300	5954089.001 Printhead 4.3/300	
300	5954527	Transfer printer A4.3+/300P		
300	5954513	Transfer printer A6+/300	5954106.001 Printhead 6/300	5954245.001 Print roll DR6
300	5954514	Transfer printer A6+/300P		5954246.001 Rewind assist r. RR6
300	5954517.101	Transfer printer A8+/300 with metal cover	5954107.001 Printhead 8/300	5954103.001 Print roll 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	Content of delivery: Transfer printer, power supply, operation manual, Windows driver, cablabel R2 Lite, Service manual on CD-ROM	

Interfaces	
	5561041 WLAN-card 802.11 b/g
	5954200 Parallel Centronics 5954201 Seriell RS422/RS485
	5954191 Label selection box
	5550818 Cable RS232 C 9/9-pin, length 3 m
	5901616 Cable USB length 3 m

Accessories	
	5954012.001 Metal cover A4+
	5954013.001 Metal cover A6+
	5948382 Cutter CU2
	5948000 Cutter CU4
	5948001 Cutter CU6
	5948002 Cutter CU8
	5960050.351 Perforation cutter PCU4/2,5
	5960050.352 Perforation cutter PCU4/10
	5946995.001 Cutter tray 4
	5948650.001 Tear-off plate TP2
	5946244.001 Tear-off plate TP4
	5946414.001 Tear-off plate TP6
	5954108.001 Rewind guide RG2 for internal rewinding
	5954190.001 Rewind guide RG4 for internal rewinding
	on request Barcode tester hl40-2
	5570820 Barcode tester hl40-4
	5570825 Barcode tester hl40-6

Accessories	
Part No.	Description
	5948102 External re-winder ER1/210
	5943251 External re-winder ER2/210
	5945802 External re-winder ER3/210
	5948100 External re-winder ER4/210
	5946090 External re-winder ER4/300
	5946420 External re-winder ER6/300
	5945804 External re-winder ER8/300
	5946091 External un-winder EU4/300
	5946421 External un-winder EU6/300
	5945806 External un-winder EU8/300
	5948170 Interconnection set for ER/EU
	5946120.001 Peel-off adapter PS5 automatic operation
	5946900.001 Present sensor PS8 manual operation
	5942353.001 Present sensor PS6 manual/automatic operation
	5946146.001 Pause adapter PS7
	on request Present sensor PS9
	5948830 Extended peel-off plate
	5954374.001 Adapter 76 mm Ø
	5954375.001 Adapter 100 mm Ø
	5954371.001 Rotati. label un-winder IU4 76 mm Ø
	5954372.001 Rotati. label un-winder IU6 76 mm Ø
	5954373.001 Rotati. label un-winder IU8 76 mm Ø
	5954380.001 External operation panel
	5917909 Numerical keyboard USB
	on request Compact keyboard USB, Cherry Classic Line G84-4100 LCM
	on request Standard keyboard USB, Cherry G83-6504 LAD
	5561043 Memory card CompactFlash Type I
	5942345 Present trigger TR1
	5535901 Foot switch SPS
	5941526 Photo cell to start SPS
	5917652 Interface connector SUB-D-plug 15 pole Phoenix Contact 2761606
	5917651 Interface connector SUB-D-plug 25 pole Phoenix Contact 2761622

Applicators	
Part No.	Description
	5949002 Applicator A 1000-300
	5949072 Universal tamp pad A1021 70 x 60
	5949075 Universal tamp pad A1021 90 x 90
	5xxxxxx Tamp pad A1021 B x H
	5949076 Universal tamp pad A1321 116 x 102
	5949077 Universal tamp pad A1321 116 x 152
	5xxxxxx Tamp pad A1321 B x H
	5xxxxxx Blow pad A2021 B x H
	5xxxxxx Roll on pad
Fit-up aid	
	5949093 Lower frame 340x160
	5xxxxxx Lower frame W x H
	5947400 Stand 1600
	8913693 Printer holder
Testbox	
	5533240 Testbox 2 Automatic operation
Software	
	5580212 Database Connector
	5580215 Network Manager
	5580220 Label software cablabel R2 Lite
	5580221 Label software cablabel R2 Pro
	9008486 Programming manual

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

Product marking



The cab Delivery program

Transfer printer
MACH4



Transfer printer
A+ Series



Print and Apply
Hermes A



Print engine PX-Series



Transfer printer e4



Inkjet Colour Printer
LX 810



Labels / Ribbons



Label software



Label dispenser
HS150



Scanner and MDE



Laser Marking System
FL-Series



Safety housing
with Accessories



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