

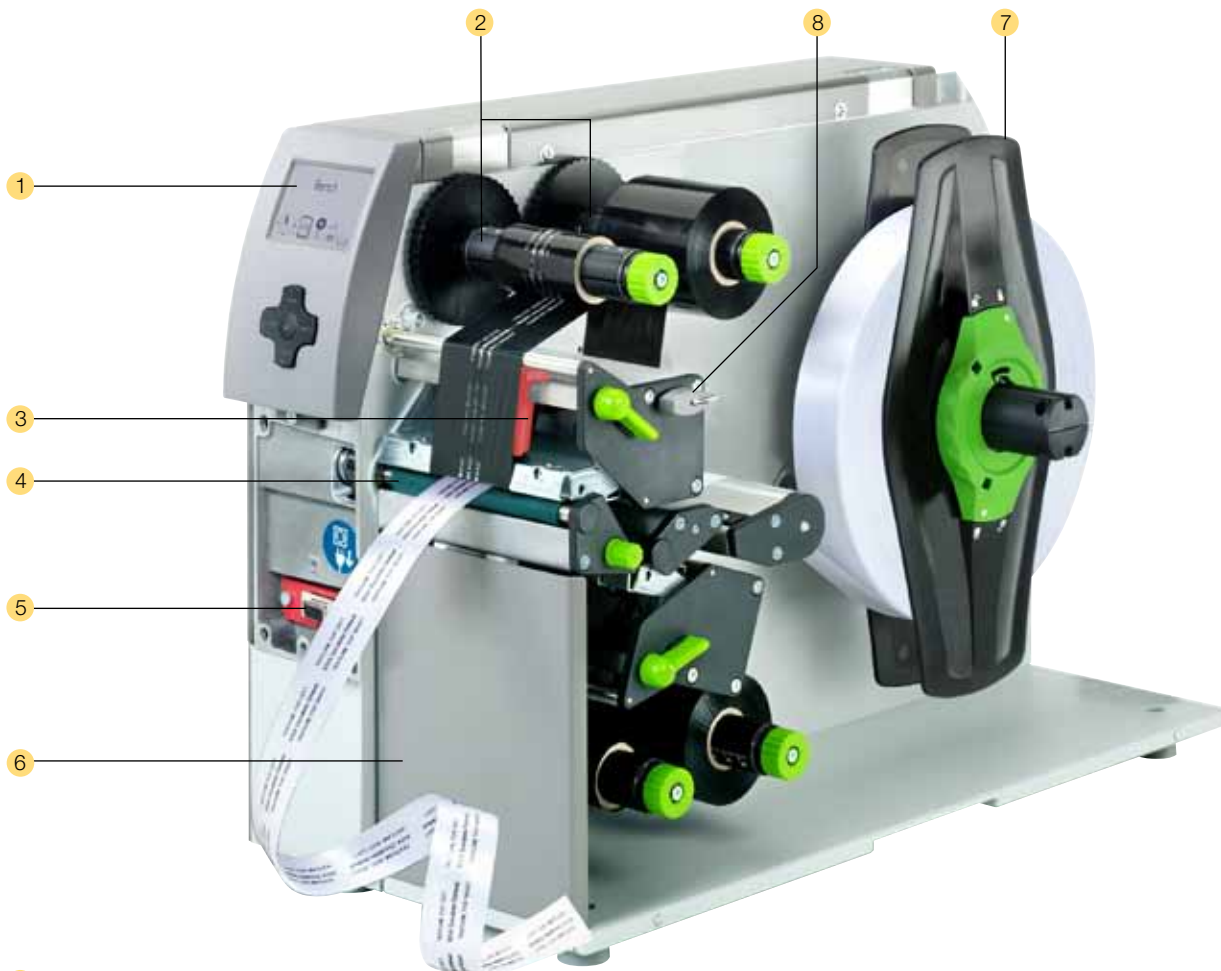


Label printer

XD4 For double-sided printing.

For double sided printing with centred material guide

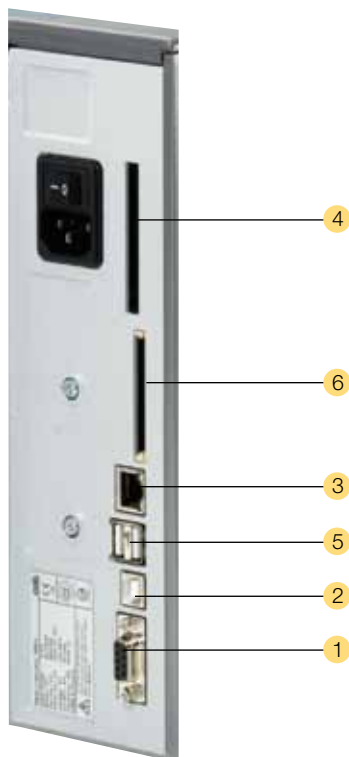
- Two stacked print engines for simultaneous printing of front and back.
- No adjustment of the printhead for different widths of material.
- No drapery of ribbon.
- For continuous or prefabricated materials like paper, card board, textiles and synthetics.
- The gap height at the material sensor for flat tubes and synthetic tapes is up to 4 mm.
- The print speed for difficult printable materials is reduced to 30-125 mm/sec.
- Operation and software are compatible with the A⁺-series.



- 1 Big graphic display**
White backlight guarantees optimal legibility.
- 2 Ribbon retainer**
Easy and centred insertion of the ribbon with the threepart tightening axles. Due to the imprinted spacer positioning of the ribbon is facilitated.
- 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 Material guide**
Precise printing due to the material guide located directly behind the print roller. The width is adjusted with a spindle.
- 5 Peripheral connection**
Add-on modules like cutter, external rewinder, present sensor, peel-off adapter and applicators can be easily connected via USB peripheral interface. All peripheral devices are put onto the printer with two gudgeons and fixed with a bolt.
- 6 Solid, buckling resistant metal chassis**
It is made of dye-cast aluminium. All devices are assembled to it.
- 7 Roll holder**
Applicable for core diameters as of 38 mm. (we include adapters for core diamters from 76 mm for a better winding of the labels). The spring mounted margin stop ensures constant tension while feeding and therefore a highly precise imprint.
- 8 Only one tool for all maintenance tasks**
The Allen key is located ready to hand directly at the printer.



All required interfaces



- 1 RS232C interface.
- 2 USB 2.0 Slave interface.
- 3 Ethernet 10/100 Base T-interface with TCP/IP.
- 4 Slot for Wireless LAN-Wifi-card.
- 5 Two USB-Master-interfaces to connect an external operation panel, keyboard, scanner or Service Key.
- 6 Slot for memory card CompactFlash Type I.

Options



Centronics interface bi-directional acc. IEEE 1284. Interface RS422/RS485 1.200 bis 230.400 Baud/8 Bit.

The interfaces are plugged onto the PC. Connection to the printer via mini USB connection cable.



Label selection box – I/O box.

Up to 16 different labels can be loaded via SPS from a memory card. Operation of four in-/outputs via Basic Interpreter.



cab WLAN card 802.11 b/g.

Accessories for the stand-alone operation



Memory card

CompactFlash Type I



Compact keyboard

Connection: USB
Number of keys: 86

L x W mm: 282 x 132, Cherry Classic Line G84-4100 LCM



Standard keyboard

Connection: USB
Number of keys: 115

L x W mm: 460 x 192, Cherry G83-6504 LAD

The functions of the devices and conformity to CE-standards are only warranted by using the accessories made by cab or recommended by cab.

Stand-alone operation

Printing with a cab printer without PC.

The layout of the labels is created either with the label software or direct programming via text editor directly on the PC. Label formats, fonts and graphic data, serial data and data base contents are saved or imported on the CF memory card or the internal IFFS printer memory.

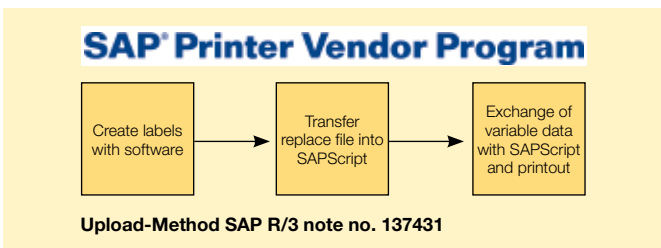
Only variable data is sent to the printer via keyboard or host computer before being printed out. Data of a barcode scanner or a scale can be fed additionally.



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)

Direct programming with J-Script

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.



Integration into SAP R/3

In collaboration with SAP cab developed the so-called "Replace method" in order to control the cab printers with SAPScript from SAP/R3.

As Silver Level-partner in SAP's Printer Vendor Program cab has access to the SAP development area for optimal printer support in an SAP environment.

SAP and R/3 are registered trademarks of SAP AG.

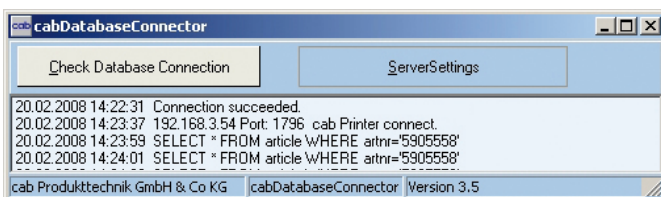
```

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
LOOP
</ABC>
  
```

abc - Basic Compiler

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 or a scale, can be transferred to be printed on different label sizes.

Example of use:
Connection to a scale



Database Connector

In the stand-alone mode with additional network connection 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 with the printing process.



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. Synchronization of time and date with a time server.

Name	Type	Address	Status	Pin
-CAB-	cab A4+7300	192.168.3.54	Ready	6-4
...	cab D4+7300	192.168.2.111	n/a	6-4
Support	cab A6+7300	192.168.3.50	n/a	6-4

Administration Network Manager

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



Windows® driver

Our drivers are officially certified by Microsoft and ensure the direct creation and printing of labels from Windows-based programs like Word, Excel, Access, Works, Corel Draw etc.



Apple-Mac OS X® driver*

Alternatively cab offers a CUPS-based printer driver for MAC OS.

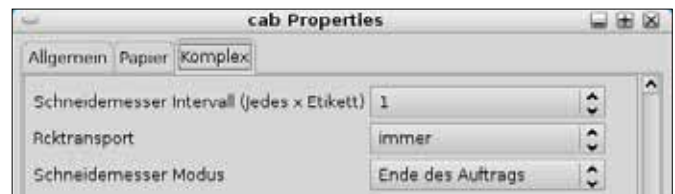
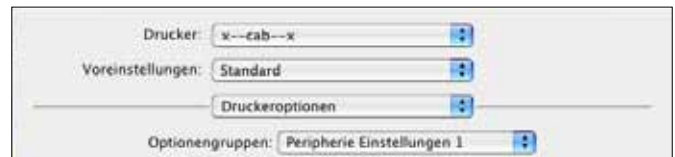


Linux driver*

Alternatively cab offers a CUPS-based printer driver for Linux.

*not for XD4M

Microsoft® is a registered trademark of Microsoft Corporation.
MAC OS® is a registered trademark of Apple Computer, Inc.



Label software

The ideal design of a label is realizable by using different fonts, heights, widths and arrangements. cab offers a large number of internal bitmap and vector fonts. Most of the country-specific codepages are supported, which means that country-specific special characters can be printed – in 25 languages.

● **cablabel R2 Lite**

Extensive standard label software. You get it - free of charge - included in delivery.

● **cablabel R2 Pro**

Maximum flexibility – whether simple texts, barcodes, graphics or the connection of databases. A wizard supports the creation of a UCC/EAN 128 barcode. It helps to open and handle several labels at the same time. Objects can be copied, moved and inserted into another label. It provides its own internal printer drivers which can communicate with the printer functions individually via J-Script.

Additional label software

Optimum variability – the transfer printers and the print & apply systems from cab can be easily controlled with other merchantable software like Codesoft, Easylab, Bartender, NiceLabel or Labelview.



cablabel R2	Lite	Pro
Windows 2000 SP4, XP Prof. SP2, Server 2003 SP2, Vista / 32 bit	■	■
Languages	25	19
Label samples	■	■
Undo-function	■	■
Import of graphics	■	■
Graphic barcodes	9	37
Native printer barcodes	■	■
Support Windows driver		■
Number of printers	1	99
Database Manager (Access, DBF, ASCII, OLEDB, ODBC)		■
cab Database Connector		■
Stand-alone operation	■	■
Support printer real-time clock	■	■
Internal printer counter	■	■
Text alignment		■
User input (formular)	■	■
Formula editor		■
UCC/EAN 128 and Maxicode wizard		■

1. Printhead		XD4M/300
Print method		Thermal transfer
Print resolution dpi		300
Print speed up to mm/s		30, 40, 50, 75, 100, 125
Print width mm		105.6
2. Material		
Continuous rolls or fan-folded		Paper, cardboard, textiles, synthetics PET, PE, PP, PVC, PU, Acrylat, PI
Material thickness mm / weight g/m ²		0.055 - 1.2 / 60 - 300
Width:	Continuous material ¹⁾ mm	10 - 110
	Shrinkable tubing mm	3.5 - 110
Height ¹⁾ up to mm		2000
Media roll:	Total diameter up to mm	300
	Core diameter mm	38 - 100
	Winding direction	outside or inside
3. Ribbon		
Ink		outside or inside
Roll diameter up to mm		80
Core diameter mm		25
Ribbon length variable up to m		500
Width up to mm		114
5. Dimensions of the printer		
Height x Depth mm		395 x 554
Width mm		248
Weight kg		21
6. Label sensor		
See-through sensor		for leading edge of the label or punching marks and end of material
Reflective sensor from the bottom		for printing marks
Distance from the center to the left mm		0 - 53
7. Electronics		
Processor high speed 32 Bit ColdFire/Taktrate MHz		266
(RAM) MB		64
Memory IFFS MB Flash		8
Slot for memory CompactFlash-card Type I		■
Slot for Wireless LAN-card		■
Battery cache for		Real-time clock, printout of time and date Storage of data with shut-down
Warning signal		Acoustic signal when error
8. Interfaces		
Centronics bi-directional acc. IEEE 1284		<input type="checkbox"/>
RS232 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, TIME, Zeroconf, mDNS, SOAP		■
RS422, RS485 1.200 up to 230.400 Baud/8 Bit		<input type="checkbox"/>
Peripheral connection		■
WLAN card 802.11b/g WEP/WPA PSK (TKIP)		<input type="checkbox"/>
2 x USB Master for		external operation panel, keyboard, scanner or service key
9. Operation data		
Power supply		100 - 240 V ~ 50/60 Hz, PFC
Power consumption		max. 300 W
Temperature / Humidity		10 - 35°C / 30 - 85% not condensing
Approvals		CE, FCC class A, CB, CCC, UL

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

10. Operation panel	
Buttons/LED display	Pause, Feed, Cancel, Menue, Enter, 4 x Cursor
LCD graphic display	Text 4 lines, ca. 20 digits per line
Width x Height mm	60 x 40
11. Settings	
	Time, date, digital or analog clock
	25 language settings
	system settings, print parameters, interfaces, security
12. Monitoring	
Stop printing if	End of ribbon End of labels Printhead open
On the display	Data reception Clock WLAN field intensity Date sheet Ethernet state abc Debug Used memory Input buffer Temperature printhead Access to memory card Remaining quantity of ribbon
13. Test routines	
System diagnosis	When switched on with testing of printhead
Short Status, Status print	font list, device list, WLAN state, profile of label, test grid, monitor mode, PPP state
Status reports	Extensive status print with information about setting, e.g. print length counter, runtime counter etc. Request of machine state via software command. Detailed status messages on the display, e.g. network error-no link, barcode error etc.
14. 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) Optional Thai
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 Thai and 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

15. Graphics		
Graphic elements	Line, arrow, box, circle, ellipse, filled and filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	
16. 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 leader code of Deutsche 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, GS1 Data Bar	
	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.	
17. Software		
Programming	J-Script direct programming <input checked="" type="checkbox"/>	
	abc-Basic Compiler <input checked="" type="checkbox"/>	
	Database Connector <input type="checkbox"/>	
System diagnosis/ Administration	printer monitoring <input checked="" type="checkbox"/>	
	Network Manager <input type="checkbox"/>	
cab Label software	cablabel R2 Lite* <input checked="" type="checkbox"/>	
	cablabel R2 Pro <input type="checkbox"/>	
	Easylabel, Codesoft <input type="checkbox"/>	
Additional Label software	Nicelabel, Bartender, Label Matrix, Labelview <input type="checkbox"/>	
Windows driver	32/64 bit for Windows 2000 / XP / Server 2003 / Vista / Windows 7 / Server 2008 <input checked="" type="checkbox"/>	
Mac driver*	OS X printer driver from version 10.3 <input checked="" type="checkbox"/>	
Linux driver*	Testet with Suse 9.0, CUPS based <input checked="" type="checkbox"/>	
Stand-alone operation		<input checked="" type="checkbox"/>
*not for XD4M		Standard <input checked="" type="checkbox"/> Option <input type="checkbox"/> Authorised distribution by resellers <input type="checkbox"/>
Please recall current data from www.cab.de		



Innovative technology for a better climate protection.
Energy-saving.
Environmentally conscious.

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

Cut. Perforate. Stack.



Cutter

The cutter is used to cut paper, pressure sensitive labels, cardboard, textiles, synthetics or heat shrink tubes.

Perforation cutter and cutter

The perforation cutter also permits the perforation of the material in order to separate it manually.

Cutter tray

The cutter tray can pile up up to 50 labels.



Stacker with cutter

The printed materials are cut and piled up with the stacker. The print job stops when the height of the pile is reached.

There might be restrictions at the use of stiff or curved materials. We recommend the testing of such materials at cab.

Adapter 100 mm Ø



To keep the bending of the material during piling as small as possible cab recommends a broad core diameter.

Storage table label width x height






The storage table and the protective cover are adjusted to the label size and have to be ordered separately.






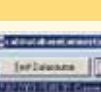

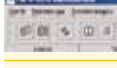

Base frame A4 / XD



With the base frame the devices can be arranged on the table in any order.

	Cutter CU4	Perforation cutter and cutter PCU4	Stacker with cutter ST4/M
Material width up to mm	110	110	20 - 100
Weight of material gr/m ² /cardboard	60 - 500	60 - 300	60 - 300
Material thickness mm	0.05 - 1.2	0.05 - 1.2	0.05 - 0.8
Cutting length mm	< 5	< 5	20 - 150
Gap height up to mm	2.5	4.5	1.2
Cuts/min.	120	Cutting 120 / Perforating 150	120
Stop print job if:	Final position not reached	Final position not reached	Final position not reached, cover open, height of pile is reached
		Perforating	Piling up reached
		Web width mm 0.5 Web distances mm 2.5 or 10	Height of pile up to mm 140 Further heights on request

Part No.	Hardware	dpi
	5959640	Label printer XD4 M/300
Content of delivery:	Label printer, Power cable Type E+F, length 1.8 m Connecting cable USB, Length 1.8 m Operating manual de/en,	
CD-ROM:	Operating manual de/fr Configuration manual de/en/fr, Service manual de/en, Spare part list de/en, Programming manual en, Windows printer driver 32/64 bit in 19 languages for Windows 2000 / XP / Server 2003 / Vista / Windows 7 / Server 2008 Database Connector en, cablabel R2 Lite in 25 languages	
Part No.	Expendable parts	
	5954072.001	Print head 4/300
	5954180.001	Print roller DR4
Part No.	Accessories	
	5948000	Cutter CU4
	5960050.351	Perforation cutter PCU4/2,5
	5960050.352	Perforation cutter PCU4/10
	5541313	Stacker with cutter ST4/M
	5959622	Adapter 100
	55xxxxx	Storage table ST4/M, label B x H
	5959920	Base frame XD
	5954380.001	External operation panel
	5901630	Compact keyboard USB, Cherry Classic Line G84-4100 LCM
	5901626	Standard keyboard USB, Cherry G83-6504 LAD
	5561043	Memory card CompactFlash Typ I

Part No.	Interfaces	
	5954200	Centronics interface
	5954201	RS422/RS485 interface
	5954191	Label selection - I/O-Box
	5561041	WLAN-card 802.11 b/g
Part No.	Connection cable	
	5550818	Cable RS232 C 9/9-pin, length 3 m
	5918008	Patch cable KAT 5e, 3 m grey
Part No.	Software	
	5580212	Database Connector Licence
	5580215	Administration Network Manager
	5580221	Etikettensoftware cablabel R2 Pro Easylabel, Codesoft on request
	9008486	Programming manual english, printed copy

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

The cab delivery program

Label printer A⁺-series



Label printer XD4



Label printer MACH4



Label printer e4



Print and Apply
Hermes



Print module PX-series



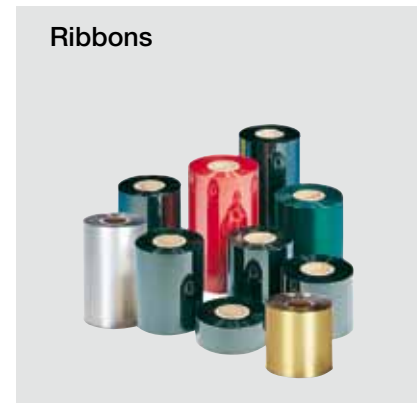
Label dispenser HS150



Labels



Ribbons



Label software



Laser marking systems
FL-series



Laser safety housing



- Headquarter in Germany
- cab subsidiaries
350 distribution partners
in more than 80 countries.



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