

Status: 08/2020



cab devices and systems
Products need labeling

Kreski

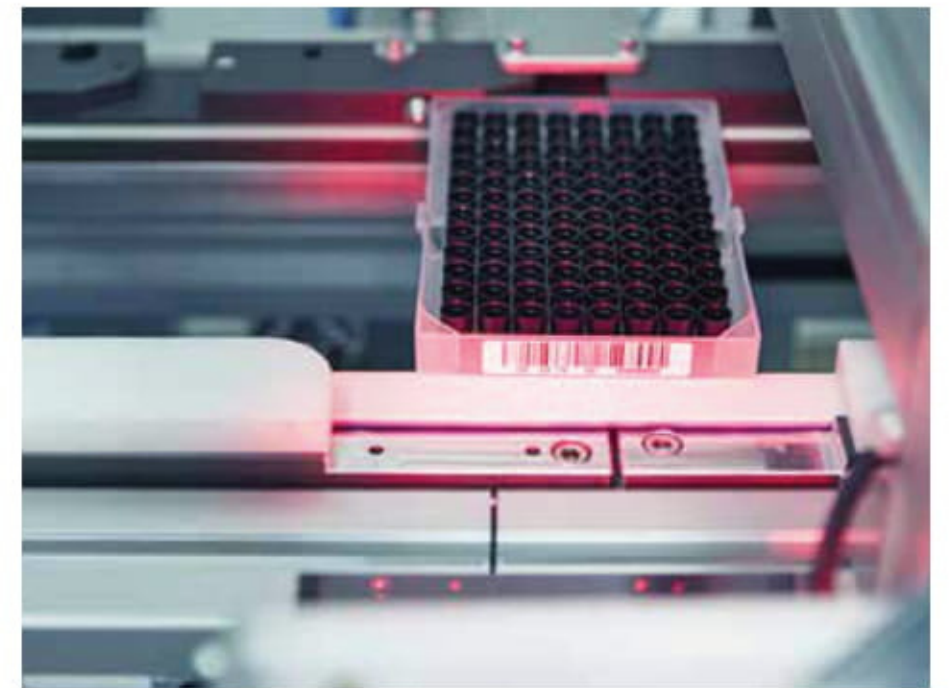


For any requirement a proper solution

Since more than 40 years cab develops and manufactures solutions and a large amount of accessories for product marking. The product range includes label printers, print & apply systems, label dispensers and marking laser systems. In addition, cab provides ribbons and labels for the perfect imprint.

PRODUCTS NEED LABELING

In the automotive sector, labeling ensures traceability of components to the smallest screw. In logistics, it guarantees scheduled delivery. On electrical devices, typeplates refer to performance data and use. Pharmacy sees labeling prevent from errors relevant to health, in chemistry it points out to risks associated with the handling of a product - multi-colored and without any barrier as regards language. On food, labeling informs about ingredients and on textiles about its best possible care.



FOR THE CUSTOMER'S BENEFIT

When it comes to using the devices, cab customers expect both a long service life and 100 per cent availability. All the printing and labeling processes have to be precise and reliable. Intuitive operability is a further criterion especially with alternating staff. On this basis, cab continuously develops ideas and assigns new technologies to real applications.

88 per cent of all the customers steadily rely on cab solutions - many of them for 20 years or more.

Long before Advanced Manufacturing and the Internet of Things became evident, cab devices did far more than just printing on a label. The products' architecture has always been designed according to easy operation, integration in automated production lines as well as reliability. The interfaces and protocols of cab's current printer generation enable bi-directional interaction with master networks, production planning or PLC.

Shaping innovation together

COMPANY FACTS AND FIGURES

- founded 1975
- nine sites in seven countries
- 90 million Euros group turnover in fiscal year 2019
- Industry leader in automated and high-precision labeling
- Europe's major manufacturer of label printing systems



For further information see
www.cab.de/en

Kreski

MADE IN GERMANY

As an owner-operated family company cab offers customer focus and economic continuity.

Foresight, ideas, added by curiosity and joy in its own products and their further development have always been driving forces in the company.

Local subsidiaries in Germany, France, USA, Mexico, South Africa and Asia form the basis to meet the individual markets in the best possible way.

cab headquarters in Karlsruhe, Germany:
Product Development and Engineering,
International Sales, Marketing, Administration





KLAUS BARDUTZKY

Managing Director and company founder

ALEXANDER BARDUTZKY

2nd generation Managing Director



Get an overview!

Label printers

Pages

7 - 15



Print and apply systems

Pages

17 - 19



Labeling heads

Pages

20 - 21



Print modules

Page

22



Label dispensers

Page

23



Marking laser systems

Pages

24 - 26



Software

Page

27



Labels, Ribbons

Pages

28 - 29



Design and technical specifications correspond to the date of the printing. Subject to change.

The data provided in the catalog do not represent any warranty or guarantee.

For current data see website www.cab.de/en

Label printers MACH1, MACH2



MACH1 with control buttons and LED signal

MACH2 with colored LCD display and navigator pad

4“ desktop printers in proven technology

With the MACH1 and MACH2 cab completes its printer range in the lower price segment.

The devices ideally fit with small to medium duty applications in thermal transfer and direct thermal printing.

MACH1 is provided with control buttons and a LED signal, while MACH2 has a colored LCD display and a navigator pad.

■ Standard

Label printer			MACH1		MACH2	
Print head	Printing method		Thermal transfer, thermal direct			
	Printable resolution	dpi	203	300	203	300
	Print speed	up to mm/s	127	102	177	127
	Print width	up to mm	108	105.7	108	105.7
Labels	Roll outside diameter	up to mm	127			
	Width	mm	25 - 112			
	Height	mm	4 - 1,727	4 - 762	4 - 1,727	4 - 762
Ribbon	Coating		outside or inside			
	Length	up to m	300			
Printer sizes and weights	Width x Height x Depth	mm	210 x 186 x 280			
	Weight	kg	2.7		3	
Electronics	Data memory	MB	16			
	Main memory SDRAM	MB	8			
Interfaces	RS232-C		■		■	
	USB for PC		■		■	
	Ethernet		■		■	
	USB host		-		■	

The device can be opened up widely to insert the ribbon and the label roll.



For further information see
www.cab.de/en/mach1-2

Label printers EOS2, EOS5



EOS2 for label rolls up to diameter 152 mm

EOS5 for label rolls up to diameter 203 mm

Compact printers providing many features of large industrial printers
The EOS combine all the functions of a solid label printer with highest ease of operation.

EOS2 is the compact one requiring little space, EOS5 processes label rolls up to diameter 203 mm.

■ Standard □ Option

Label printer		EOS2		EOS5	
Print head	Printing method	Thermal transfer, thermal direct			
	Printable resolution dpi	203	300	203	300
	Print speed up to mm/s	150			
	Print width up to mm	108	105.7	108	105.7
Labels	Roll, reel	■		■	
	Fanfold	□		□	
	Roll diameter / core diameter mm	up to 152 / 38,1 - 76		up to 203 / 38,1 - 76	
	Width mm	single lane 10 - 116, multi lane 5 - 116			
	Height without label backfeed from mm	5			
Ribbon	Coating	outside or inside			
	Length up to m	360			
Printer sizes and weights	Width x Height x Depth mm	253 x 191 x 322		264 x 247 x 412	
	Weight kg	4		5	
Electronics	Processor clock rate MHz	800			
	Data memory MB	50			
	Main memory RAM MB	256			
Interfaces	RS232-C	■			
	USB for PC	■			
	Ethernet	■			
	Periphery	■			
	USB host	■			

The EOS mobile can be supplied for example with the battery pack provided by cab - wherever labels are needed but no socket for power connection is available.



For further information see www.cab.de/en/eos

Overview of accessories

○ Possible □ Option

Pos.	Device add-ons	1.1 A8 ⁺	1.2 XD4T	1.3 XC4	1.4 XC6
Extra equipment					
2.3	Print rollers DR4-M25, -M50, -M80	-	□	-	-
2.4	Print roller DR4S	-	□	□	□
2.5	Label sensor	□	-	-	-
2.6	Adapter 100	□	□	-	-
2.7	CompactFlash memory card	□	□	□	□
2.8	External operation panel	□	□	□	□
2.9	Pause adapter PS7	□	-	-	-
Interfaces					
3.2	RS422/RS485	□	-	-	-
3.3	Label selection - I/O box	□	□	□	□
3.4	WLAN 802.11b/g	□	□	□	□
Connecting cable					
4.1	Connecting cable RS232C, 9/9 pin, length 3 m	□	□	□	□
Label cutting, perforating, stacking					
5.1	Cutter CU	□	□	□	□
5.3	Perforation cutter PCU4	-	□	○	-
5.4	Stacker ST4 L with cutter	-	-	□	-
	Stacker ST4 M with cutter	-	□	-	-
Label rewinding, unwinding					
6.1	External rewinder ER	□	□	□	□
6.3	Adapter kit for rewinders, unwinders with A8 ⁺	□	-	-	-
6.4	Adapter kit for rewinders, unwinders with XC4, XC6	-	-	□	□

Accessories - extra equipment, interfaces, connecting cable

Extra equipment		
2.3		Print roller DR4-M25 Material width up to 25 mm Synthetic rubber coating for accurate imprint
		Print roller DR4-M50 Material widths 20 to 50 mm Synthetic rubber coating for accurate imprint
		Print roller DR4-M80 Material width up to 80 mm Synthetic rubber coating for accurate imprint
2.4		Print roller DR4S Material width up to 120 mm Silicone coating for an extra long service life at a higher imprint tolerance
2.5		Label sensor Reflective from top
2.6		Adapter 100 to pick up label rolls with core diameter 100 mm and outside diameters larger than 180 mm
2.7		Memory card CompactFlash Typ I
2.8		External operation panel If the operation panel is no longer accessible after the printer has been installed in a plant, an external one can be additionally added. A slot to connect a CompactFlash memory card Type I as well as a host interface are provided.
2.9		Pause adapter PS7 for printing in a reserve loop. The print job is stopped by the Pause signal. The label that is currently printed will be completed. I/O interface Inputs: Pause External errors Outputs: Print job missing Printer not ready Printing started
Interfaces		
3.2		RS422/RS485 1,200 to 230,400 baud/8 bit
3.3		Label selection - I/O box Up to 16 labels per box can be selected from the memory card by a master control, e.g. PLC. Two boxes can be connected. The I/O box allows simple PLC control processes with four inputs and outputs each via abc programming.
3.4		WLAN 802.11b/g
Connecting cable		
4.1		Connecting cable RS232C 9/9 pin, length 3 m

Accessories - label cutting, perforating, stacking

5.1



Cutter CU

Paper labels, self-adhesive labels, cardboard, textile and plastic materials as well as shrink tubes can be cut.

Technical data	Cutter		
	CU4	CU6	CU8
To be used with	XD4T, XC4	XC6	A8+
Material Width up to mm	110	180	232
Weight cardboard gr/m ²	60 - 300		
Thickness mm	0.05 - 0.8		
Cutting length from mm	5		
Gap height up to mm	2.5		
Cuts/min, without material up to	100		
Stop print job when	final cutter position not attained		

5.2



Perforation cutter PCU4

Continuous materials such as textiles or shrink tubes are perforated before they are manually separated. In addition, the materials can also be cut.

Technical data	Perforation cutter	
	PCU4	
To be used with	XD4T, XC4	
Perforating Web distance mm	0.5	
Web width mm	2.5 or 10	
Material Width up to mm	85	
Weight cardboard gr/m ²	60 - 300	
Thickness mm	0.05 - 0.8	
Cutting length from mm	5	
Gap height up to mm	2.5	
Cuts/min, without material up to	100	
Stop print job when	final cutter position not attained	

5.3



Stacker ST4 with cutter

The printed materials are cut and stacked. If the maximum stack height is reached, printing is interrupted. Limitations may apply to stiff or curved materials. We recommend to have these materials tested at our premise.

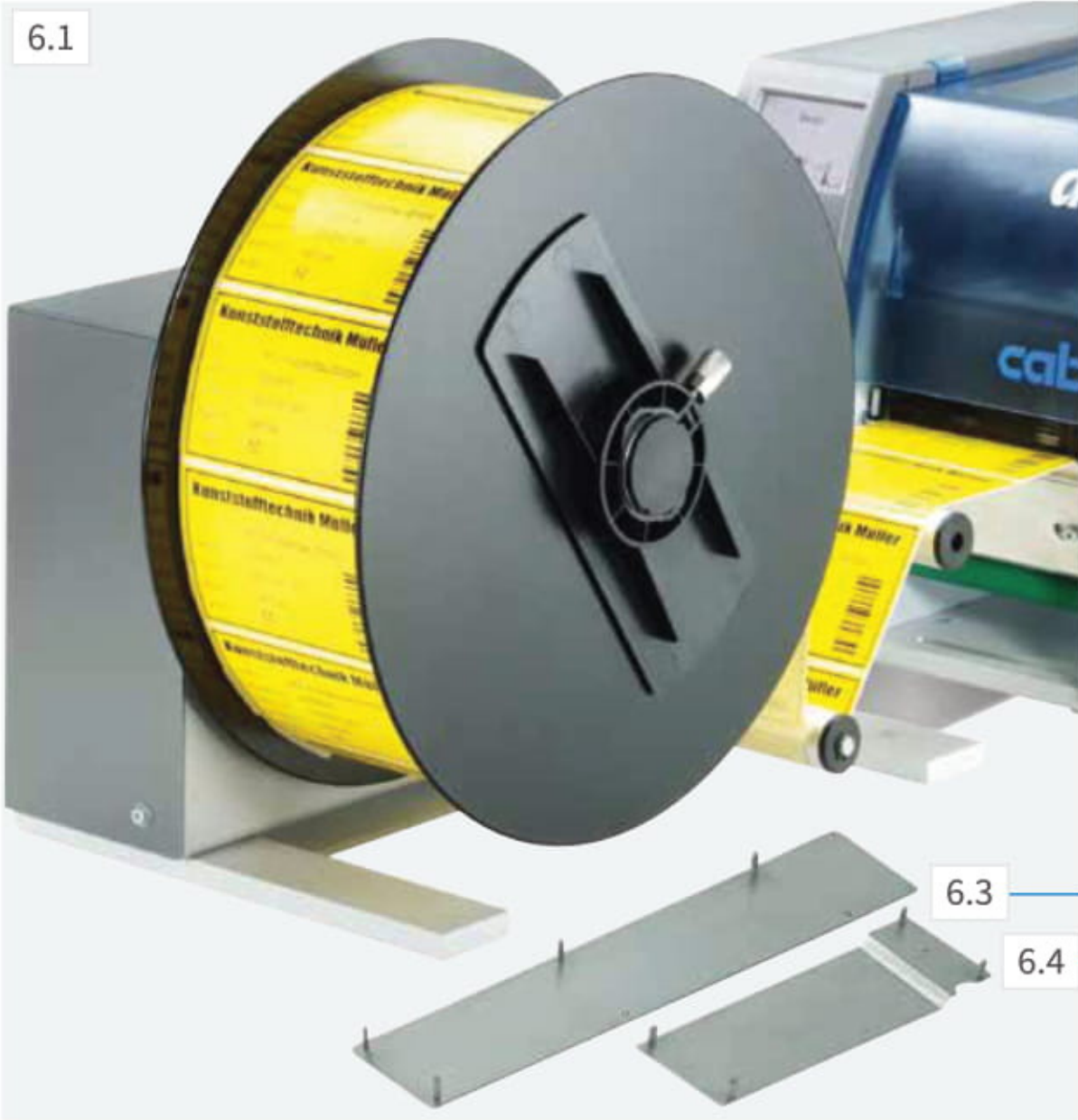
Technical data	Stacker with cutter	
	ST4 L	ST4 M
To be used with	XC4	XD4T
Material Width up to mm	20 - 110	20 - 100
Weight cardboard gr/m ²	60 - 300	
Thickness mm	0.05 - 0.8	
Cutting length from mm	20 - 150	
Gap height up to mm	1.2	
Cuts/min, without material up to	100	
Stop print job when	final cutter position not attained, stacker cover open, stack height attained	
Stack height up to mm	100	



Support table - label W x H

The support table and the protective cover are adapted to the label size. They have to be ordered separately.

Accessories - label rewinding



External rewinders ER4/6/8 with built-in power supply units
To be used also with external printers. Label winding outside or inside

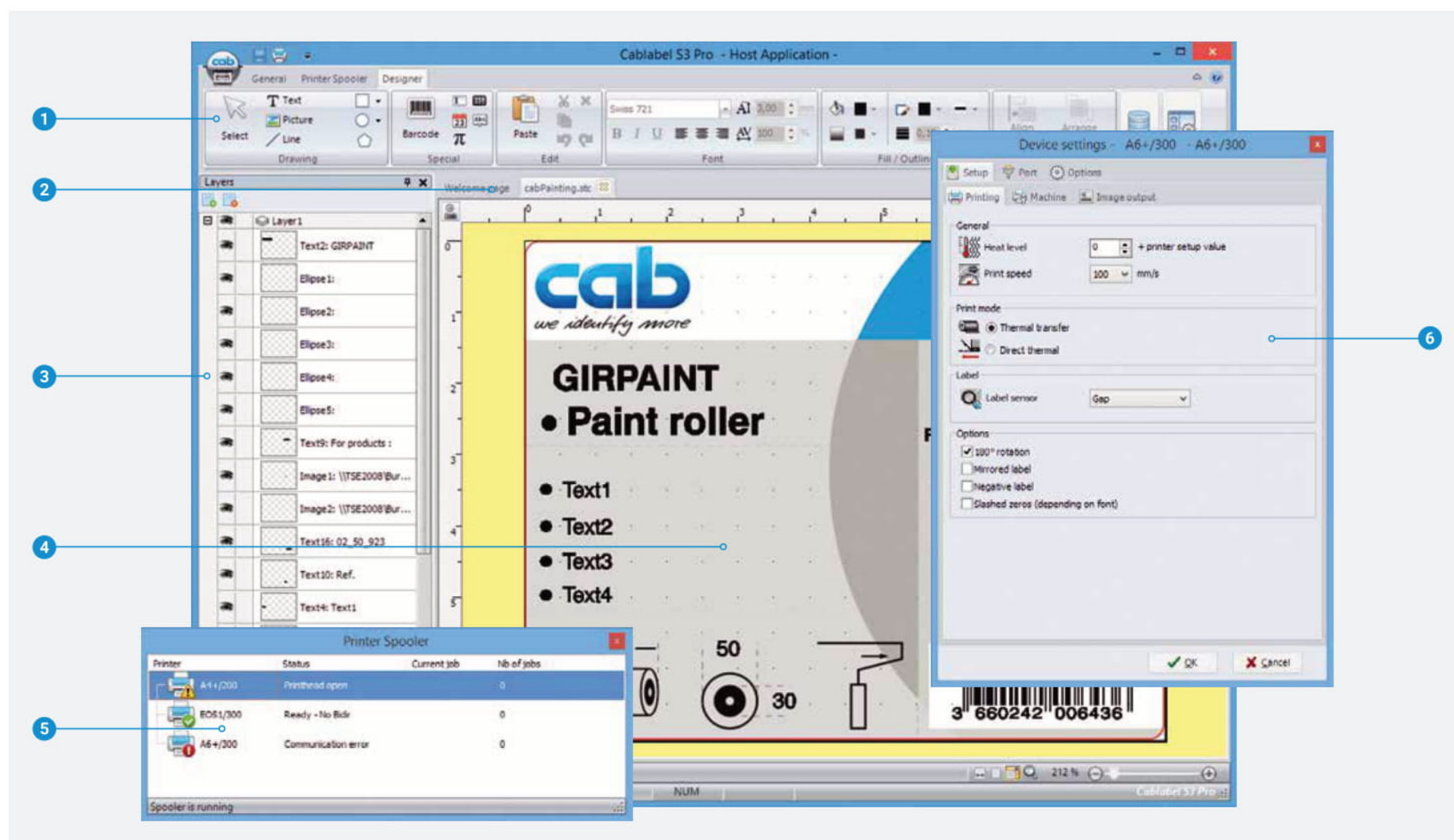
	External rewinder			
Technical data	ER4/210	ER4/300	ER6/300	ER8/300
To be used with	XD4T, XC4	XD4T, XC4	XC6	A8+
Material width up to mm	120	120	180	235
Roll diameter up to mm	205	300	300	300
Tightening axle mm for core diameter	76			
Winding	outside or inside			
Power supply	100 - 240 V, 50/60 Hz			
Adapter kit for				
ER8 with A8+				
ER4, ER6 with XC4, XC6				

Label software cablabel S3

Designing, printing, administrating

cablabel S3 opens up the full potential of cab devices.

First of all, the label must be designed. Only when it comes to printing it has to be decided whether the label shall be processed on a label printer, a print and apply or marker laser system. cablabel S3 is of a modular design which makes it adaptable to requirements step by step. To support functions like native JScript programming, elements such as the JScript Viewer are embedded as plug-ins. The designer user interface and the JScript code are synchronized in real time. Special functions like the Database Connector or barcode testers can be integrated. For further information see www.cab.de/en/cablabel



- 1 **Toolbar**
to create different label objects
- 2 **Tabs**
to quickly switch from one running label design to another
- 3 **Layers**
to administrate different label objects
- 4 **Designer**
simplifies the design and displays the label WYSIWYG
- 5 **Printer spooler**
to monitor all print jobs and the state of the printer
- 6 **Drivers**
for setting and the communication with devices

Printing in stand-alone operation

This operating mode is the printer's ability to select and print labels even when it is not connected connected to a host system.

The label has to be designed with a software such as cablabel S3 or by direct programming with a text editor on a PC. Label formats, texts, graphics as well as database contents are stored on a memory card, a USB memory stick or in the internal IFFS memory.

Only variable data are sent to the printer via a keyboard, a barcode scanner, scales or other host systems and/or recalled by the Database Connector from the host and printed.



Printer control

Drivers

To control the printer with a software other than cablabel S3, cab provides drivers in 32 / 64 bit for operating systems starting from Windows Vista, Mac OS 10.6 and Linux with CUPS 1.2.



Windows¹⁾ drivers

cab printer drivers are certified according to WHQL. They ensure optimum stability on the Windows operating system.



Mac OSX²⁾ drivers

cab provides CUPS-based printer drivers for Mac OS X applications.



Linux drivers

Linux drivers are CUPS-based.

Drivers are offered on the DVD delivered with the printer and for free download at www.cab.de/en/support

Programming



JScript

To control the printer, cab has developed the embedded programming language JScript. See manual for free download at www.cab.de/en/programming



abc Basic Compiler

In addition to JScript and as an integral part of the firmware, it allows advanced printer programming before data are sent to printout. For example, external printer languages can be replaced without interfering in the current print job. Also data from other systems such as a scale, a barcode scanner or PLC can be integrated.

Integration



Printer Vendor Program

As a partner in SAP's³⁾ Printer Vendor Program, cab has developed a replace method to enable easy control of a cab printer via SAPScript from SAP R/3. Only variable data are sent to the printer by the host. Pictures and fonts that had priorly been stored in the local memory (IFFS, memory card, etc.) are merged.

Step 1

Create a label and a replace file with cablabel S3

Step 2

Use the replace file and replace the variable data in SAPScript

Step 3

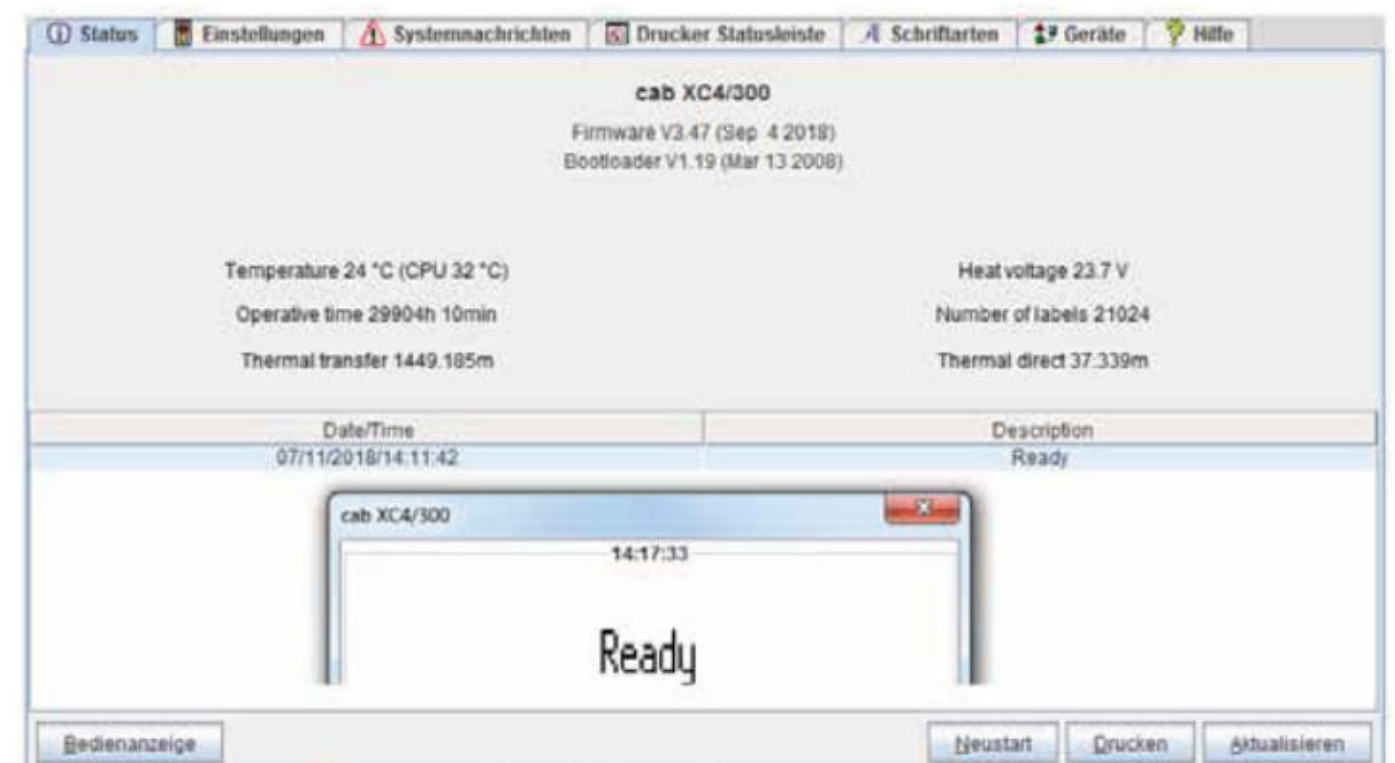
Printout from SAP

Printer administration



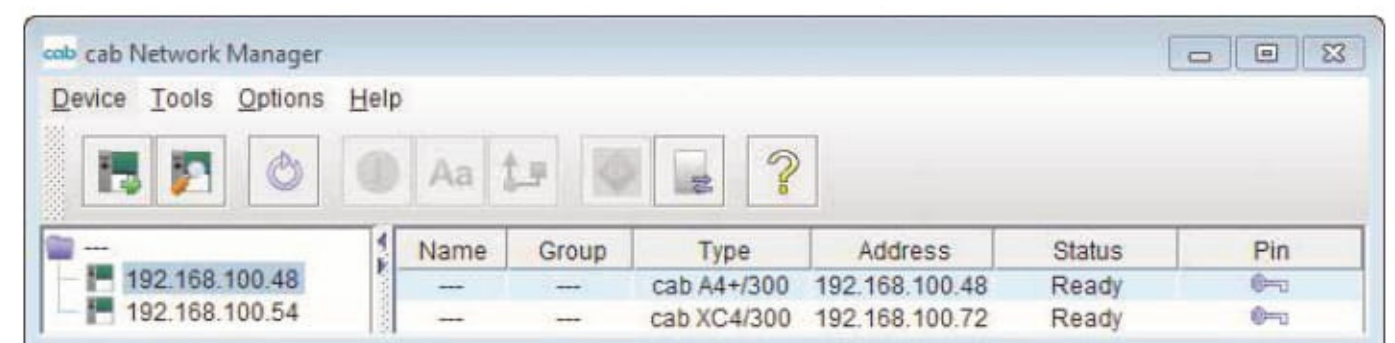
Configuration in Intranet and Internet

The HTTP and FTP server integrated in the printer via standard programs like a web browser or FTP clients allows printer control and configuration, firmware updates and memory card administration. Via email or SNMP, the SNMP and SMTP client datagram sends status, warning and error messages to administrators and users. Time and date are synchronized by a time server.



Network Manager

It is possible to simultaneously manage several printers within the network. Control, configuration, firmware updates, memory card administration, data synchronization and PIN administration are supported from one single location.



Database Connector

Printers connected to a network may directly access data from a central ODBC or OLEDB-ready database and print it on a label. While printing, data can be rewritten to the database.



¹⁾ Windows is a registered trademark of Microsoft Corporation

²⁾ MAC OS X is a registered trademark of Apple Computer, Inc.

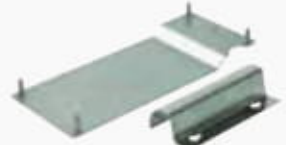
³⁾ SAP and all corresponding logos are trademarks or registered trademarks of SAP SE

Delivery program

Pos.		Part no.	Printers
1.1		5954517.101	Label printer A8+
1.2		5959970	Label printer XD4T
1.3		5965700	Label printer XC4
1.4		5965701	Label printer XC6
Scope of delivery			
DVD	Label printer Power cable Type E+F, length 1.8 m Connecting cable USB, length 1.8 m Instructions DE / EN		
	Instructions - in more than 20 languages (A8+) - in DE / EN / FR / RS / IT (X series) Configuration manual DE / EN / FR Service manual DE / EN Spare parts list DE / EN Programming manual EN WHQL certified Windows printer drivers for Windows Vista Server 2008 Windows 7 Server 2008 R2 Windows 8 Server 2012 Windows 8.1 Server 2012 R2 Windows 10 Server 2016 Server 2019 Apple Mac OS X printer drivers DE / EN / FR (A8+ only) Linux printer drivers DE / EN / FR (A8+ only) Label software cablabel S3 Lite cablabel S3 Viewer Database Connector		

Pos.		Part no.	Wear parts
		5954072.001	Print head 4/300 dpi
		5954106.001	Print head 6/300 dpi
		5954107.001	Print head 8/300 dpi
		5954180.001	Print roller DR4
		5954245.001	Print roller DR6
		5954103.001	Print roller DR8
Pos.		Part no.	Extra equipment
2.3		5953700.001	Print roller DR4-M25
		5953701.001	Print roller DR4-M50
		5953702.001	Print roller DR4-M80
2.4		5954985.001	Print roller DR4S
		5954979.001	Print roller DR6S
2.5		5958631	Label sensor - reflective from top
2.6		5959622.001	Adapter 100
2.7		5561043	Memory card CompactFlash Type I
2.8		5954380	External operation panel
2.9		5946146	Pause adapter PS7
Pos.		Part no.	Interfaces
3.2		5954201	RS422/RS485
3.3		5948205	Label selection - I/O box
3.4		5561041	WLAN 802.11b/g
Pos.		Part no.	Connecting cable
4.1		5550818	Connecting cable RS232C 9/9 pin, length 3 m

Delivery program

Pos.		Part no.	Label cutting, perforating, stacking
5.1		5948000 5948001 5948002	Cutter CU4 Cutter CU6 Cutter CU8
5.2		5960050.351 5960050.352	Perforation cutter PCU4/2,5 Perforation cutter PCU4/10
5.3		5541311 5541313	Stacker ST4 L with cutter Stacker ST4 M with cutter
		55xxxxx 55xxxxx	Support table ST4 L, label W x H Support table ST4 M, label W x H
Pos.		Part no.	Label rewinding, unwinding
6.1		5948100 5946090 5946420 5945804	External rewinder ER4/210 External rewinder ER4/300 External rewinder ER6/300 External rewinder ER8/300
6.3		5948170	Adapter kit for A8+
6.4		5965712 5965713	Adapter kit for XC4 Adapter kit for XC6

x - user specific part no. following request

Pos.		Part no.	Label software
		Bundle	cablabel S3 Lite (Download at cab.de/en)
11.7		5588001 5588100 5588101 5588150 5588151 5588152 5588002 5588105 5588106 5588155 5588156 5588157 in preparation	cablabel S3 Pro 1 WS cablabel S3 Pro 5 WS cablabel S3 Pro 10 WS cablabel S3 Pro 1 additional licence cablabel S3 Pro 4 additional licences cablabel S3 Pro 9 additional licences cablabel S3 Print 1 WS cablabel S3 Print 5 WS cablabel S3 Print 10 WS cablabel S3 Print 1 additional licence cablabel S3 Print 4 additional licences cablabel S3 Print 9 additional licences cablabel S3 Print Server
11.10		9008486	Programming manual EN, printed copy

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Zapraszamy do kontaktu!
Więcej informacji: www.kreski.pl

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Information is also available on the Internet:
www.cab.de/en/labelprinter

cab product overview

Label printers
MACH1, MACH2



Label printers
EOS 2



Label printers
EOS 5



Label printers
MACH 4S



Label printers
SQUIX 2



Label printers
SQUIX 4



Label printers
SQUIX 6.3



Label printer
A8+



Label printer
XD4T



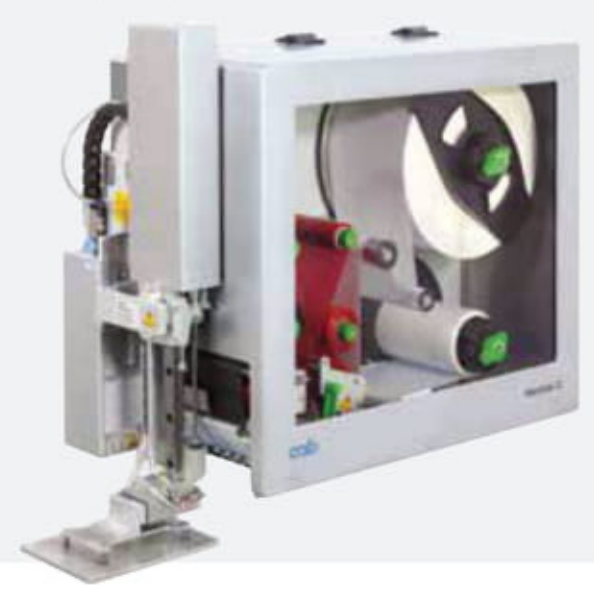
Label printers
XC



Print and apply systems
HERMES Q



Print and apply systems
Hermes C



Tube labeling systems
AXON



Print modules
PX Q



Labels and ribbons



Label software
cablabel S3



Label dispensers
HS, VS



Labeling heads
IXOR



Marking lasers
XENO 4



Laser marking systems



Germany
cab Produkttechnik GmbH & Co KG
Karlsruhe
Phone +49 721 6626 0
www.cab.de

France
cab Technologies S.à.r.l.
Niedermodern
Phone +33 388 722501
www.cab.de/fr

USA
cab Technology, Inc.
Chelmsford, MA
Phone +1 978 250 8321
www.cab.de/us

Mexico
cab Technology, Inc.
Juárez
Phone +52 656 682 4301
www.cab.de/es

Taiwan
cab Technology Co., Ltd.
Taipei
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cab (Shanghai) Trading Co., Ltd.
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Guangzhou
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www.cab.de/cn

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cab Technology (Pty) Ltd.
Randburg
Phone +27 11 886 3580
www.cab.de/za

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www.cab.de/tw

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Shanghai
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Guangzhou
Phone +86 (020) 2831 7358
www.cab.de/cn

South Africa
cab Technology (Pty) Ltd.
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