Status: 01/2024





# Reliable tube and vial labeling using AXON





## Samples identified in real time

Unique labeling enables samples be assigned quick and reliably in labs.

In practice, self-adhesive labels are applied individually to tubes or vials. 1D or 2D encoding enables samples be processed fully automated in transport and filing.

AXON has been designed for direct thermal and thermal transfer label printing. 300 dpi or 600 dpi print resolutions favor sharp-edge and high-contrast print images. The smallest codes and fonts can be verified reliably.

A labeling cycle takes less than two seconds.

Tubes and vials with or without a closure cap can be inserted by hand or automated by a handling system.

Symbols on the control panel support AXON be operated intuitively. Replacing a label roll or a ribbon is no big deal. In cases of cleaning or wear, print rollers and transport rollers are easy to remove using a tool attached.

RS232, USB, Ethernet, WLAN and Bluetooth ensure data be transferred. AXON integrates to Laboratory Information Management Systems (LIMS).

If no PC is plugged, variable data can be entered on a control panel, with the help of a keyboard or a scanner.

110 VAC to 240 VAC input voltage at 50 / 60 Hz, 36 VDC to 60 VDC are options











See further information on www.cab.de/axon2

AXON 1	AXON 2	
Modules of a SQUIX 2P label printer and modules of the tube applicator are united in one chassis.	Printer	Standard SQUIX 4MP label printer providing an AXON 2 applicator
no more than 56 mm	Label widths	no more than 110 mm
vertical	Tube / vial orientation	horizontal
Once tubes or vials have been inserted to the retainer, they can be filled and sealed.	Particularity	Identified tubes and vials can be ejected automatically, for example to a tray.
7 mm to 26 mm, 16 mm to 38 mm if options are provided	Tube / vial diameters	10 mm to 22 mm, 7 mm to 12 mm if options are provided
20 mm to 130 mm	Tube / vial lengths	25 mm to 120 mm
Warning on a label roll ending Codes be verified	Options	-

# AXON 1 tube labeling systems



#### Ribbon retainer

Materials are easy to remove with the help of a three-part tightening axle.

#### 2 Antistatic brush

Electrostatic charge dissipates after printing, in particular if plastic materials are in use.

#### 3 Transport roller

Labels are applied to tubes or vials. Height setting according to the length of a tube or vial

#### 4 Control panel

Intuitive operation using self-explanatory symbols Rotation in steps of 90° by software command

### 5 Internal liner rewind unit

Materials are easy to remove with the help of a three-part tightening axle.

#### **6** Print roller

Synthetic rubber favors highly accurate print images.

#### Peel-off plate, extended

It promotes labels be applied reliably to tubes or vials.

#### 8 Pinch roller

Tubes or vials are pressed against the transport roller as labels are applied.

#### Solid cast aluminum chassis

Base of all components

#### Base plate

Height setting enables labels be located accurately to target positions on tubes or vials.



#### processing labels 5 mm to 25.4 mm wide

Small tubes or vials can be inserted more easily.



#### 36 VDC - 60 VDC input voltage

Instead of standard power supply, a 36 VDC to 60 VDC module can be installed. A mating plug is provided on delivery.

# Options provided for AXON 1 tube labeling systems



#### Cast aluminum cover

It prevents from contamination.
A large inspection window is provided.



#### CC200-AXON code verifier

1D\* codes are checked by a camera.

One code per label can be verified in terms of readability
(GOODBAD). Results are compared with the print data (VERIFY).

\*2D codes in preparation



Warning on a label roll ending, in preparation Remaining roll diameters are detected by a sensor. The I/O interface indicates predefined minimum values. Diameters may be requested or displayed also using data interfaces.



**K Type peel-off plate,** customer-specific If closure caps interfere with a peel-off plate, adaption is required.



**Digital 24 VDC I/O interface** SUB-D socket connector, 25 pins



# AXON 2 tube applicator



#### 1 Peel-off plate

Adapted specifically to tubes and vials

#### 2 TRV 14 transport roller (Ø 14 mm)

Labels are applied to tubes or vials of diameters 10 mm to 22 mm. By moving the roller along the shaft to specified positions, closure caps or protruding threads remain located beside the roller.

Operations require labels no more than 56 mm wide and a Type 56 peel-off plate. In cases of smaller diameters or wider labels, adapted transport rollers are provided as options.

#### 3 Pinch rollers

Aligned according to the length of a tube or vial Tubes or vials are pressed against the transport roller as labels are applied.

#### 4 Swivel arms providing a stop

Axial setting according to the length of a tube or vial and the label position

#### **5** Material replacement

Pivoting the applicator simplifies labels or ribbons be replaced.

#### **6** Trav

Tubes or vials ejected automatically after printing are collected.

# Options provided for SQUIX 4MP label printers





#### Slim DR4-M print rollers

If narrow labels are in use, accurate print images require adapted print rollers. Enhanced roller wear and contamined print heads are avoided, so are errors during label feed.

DR4-M30 - labels no more than 25.4 mm wide DR4-M60 - labels no more than 56.0 mm wide DR4-M80 - labels no more than 76.0 mm wide





#### Peel-off plates

Feeding below a pulley promotes labels be dispensed reliably.

Type 56.1 - labels nor more than 56 mm wide (Ø14 mm)\*

Type 56.2 - labels nor more than 56 mm wide (Ø18 mm) two pressure rollers Ø19 mm are included

Type 110 - labels no more than 110 mm wide (Ø14 mm)

K Type - customer-specific, if closures of tubes or vials

interfere with a standard peel-off plate

\*Included in scope of delivery





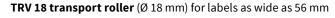
#### 24 VDC digital I/O interface

SUB-D socket connector, 25 pins

## Options provided for the AXON 2 tube applicator







Labels are applied to tubes or vials of diameters 7 mm to 12 mm. By moving the roller along the shaft to specified positions, closure caps or protruding threads remain beside. A type 56.2 peel-off plate is required for operation.





#### **Transport rollers**

If tubes with diameters 10 mm to 22 mm are in use

Type maximum label width peel-off plate

DR4-M30 25.4 mm 56 mm

DR4-M60 56.0 mm 56 mm

DR4-M80 76.0 mm 110 mm
DR4 110 mm 110 mm





**TRK transport roller,** customer-specific If tube or vial dimensions do not coincide with specified transport rollers

Type 56, type 110 or K Type peel-off plates are required.

# Control panel

# Intuitive operation Settings are easy to configure using self-explanatory symbols.

- 1 LED: Power ON
- 2 Status bar: Receive data, record datastream, warning on a ribbon ending, SD memory card / USB stick plugged, Bluetooth, WLAN, Ethernet, USB slave, Time
- **3 Printer status:** Ready, pause, number of labels printed on a print job, label in peel-off position, awaiting external start signal
- USB slot to plug a service key or a memory stick, to store data in the internal IFFS printer memory
- Operation
  - Print and apply labels step by step
  - Jump to menu
  - Reprint the last label
  - Interrupt and continue a print job
  - Stop and delete all print jobs
  - Label feed



**Setup options** 



**Print positions Y** 



**Print parameters** 



**Print speeds** 

# Landscape or portrait display depending on the orientation of assembly

AXON 1 tube labeling system



Rotation in steps of 90° by software command

SQUIX label printer representing AXON 2





**Video tutorials** 









## **Interfaces**

- 1 Slot to plug a SD memory card
- 2 **USB hosts** to plug a service key, a USB stick, a keyboard, a barcode scanner, an USB Bluetooth adapter, an USB WLAN stick or an external control panel
- 3 USB 2.0 Hi-speed to plug a PC
- 4 Ethernet 10/100 Mbit/s
- **5 RS232-C** 1,200 to 230,400 Baud / 8 Bit

Options

**6** Digital I/O interface

SUB-D socket connector, 25 pins compliant with IEC/EN 61131-2, Type 1+3 Inputs and outputs are galvanically isolated and protect from reverse polarity. Outputs are short-circuit proof.

## **PNP inputs**

Start printing / applying a label Device ready Print initial label Reprint

Delete print job Label removed

Label feed Pause Reset

#### **PNP, NPN outputs**

Print data available

Ribbon / Label roll ending

Initial position / upper end limit

Paper feed ON

Label in peel-off position Stop printing / applying a label Labeling position / lower end limit Warning on a ribbon ending Warning on a label roll ending\*

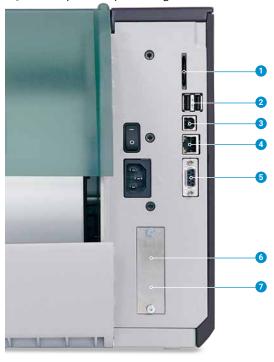
> Collective error \*AXON 1 only



#### AXON 1 tube labeling system



SQUIX label printer representing AXON 2



## Accessories

They are plugged or screwed to a printer by the customer.

2.7	SD memory card
2.8	USB stick
2.9	<b>USB WLAN stick</b> 2.4 GHz 802.11b/g/n Hotspot or infrastructure mode
2.10	USB WLAN stick with a rod antenna 2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac Hotspot or infrastructure mode Extended range of operation
2.11	USB Bluetooth adapter
2.12	I/O interface plug SUB-D, 25 pins All control signals can be attached to the I/O interface using clamping screws.



# Technical data

							l ahel nri	inters providin	σ Δ Χ Ο Ν 2
Tube labeling system Type		AXON 1.1 AXON 1.2		SQUIX 4.3MP SQUIX 4MP SQUIX 4M					
Print head	d								, <u> </u>
Print meth	Thermal tran		•	•	•	•	•	•	•
	Direct therm		•	-	•	-		0	-
Print resolution dpi			300	600	300	600	30		600
Print speed mm/s			100 100 100 100		150		150		
Print width mm max.		25.4	25.4	56.9	54.1	108.4	105.7	105.7	
Material									
Tubes / Via	als Orientation at the tim	ne of a label be applied			tical			horizontal	
	Diameter	mm	10		26,	ما م ما	7 12 2	10 - 22,	ام ما ما
	Length, closure cap ir	ncluded mm	16		ns are provi - 130	aea	7 - 12 11	f options are pr 25 - 120	ovided
					).8			0.8	
Labels <sup>1)</sup>	Conicity (change in di	ameter) % max.	Day			r DD	Danar		DET DD
Labets-	Material		Pal	per, plastics	such as PET	, PP	Paper, p	olastics such as 5 - 56,	PEI, PP
	Width	mm	5 -	25.4	5	- 56	5 - 110 i	if options are p	rovided
	Height	mm at least			12			12	
	Thickness	mm at least		0	.05			0.05	
	Roll diameter	mm max.			.05			205	
	Core diameter	mm			76			38 - 76	
	Winding				tside			outside	
								9 - 60,	
Liner	Width	mm	16	- 30	24	- 60	9 - 114 i	if options are p	rovided
	Thickness <sup>2)</sup>	mm	0.045 - 0.05			0.045 - 0.05			
Ribbon	Coating			outside	or inside		outside or inside		e
	Roll diameter	mm max.	80		80				
	Core diameter	mm	25		25				
	Length	m max.	600		600				
	Width	mm	25 -	38.1		- 60		25 - 114	
Printer di	mensions and weights	111111	25	30.1	23	00		25 117	
	eight x Depth	mm		270 x 1	95 x 560			252 x 288 x 520	
Weight	eigne x Deptii	kg approx.			12			12	
	sors / Position indicato	•			12			12	
	ive sensor	to detect	labo	ole or nunch	marks and i	matorials or	nding, print marks	c on transparor	t materials
							• • •		it illateriats
Reflective Sensor	to the contact edge	left-aligned mm	labels and materials ending, print marks on non-transparent materials  8 5 - 12 -						
			'	0	3.	- 12			
distance	center to the contact	edge centered mm		-		-		0 - 55	
Interfaces		D':					_		
	,200 to 230,400 Baud / 8	Bit					<u> </u>		
USB 2.0 Hi	i-speed to plug a PC								
Ethernet 1	.0/100 Mbit/s		,				web service, OPC		1016
	·			рнср, нтт	/ HTTP5, FT		IME, NTP, Zerocor	nt, SNMP, SMTP	, VNC
	t on the control panel	to plug a					y, USB stick		
	ts on the back of the dev	ice to plug a	keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick			ick			
	VDC I/O interface								
Operation									
Voltage	100 - 2	240 VAC, 50 / 60 Hz, PFC							
		36 - 60 VDC						-	
Power inp	ut				<10 W in sta	andby / 80 V	V are typical / max	x. 200 W	
Temperati	ure / Humidity	In operation			+5 -	40°C / 10 - 8	5 %, not condens	ing	
		On stock			0 -	60°C / 20 - 8	5 %, not condens	sing	
		In transport					5 %, not condens		
Approvals		,	CE (In-v	itro), FCC Cla	ss A, ICES-3,			FCC Class A, ICES	S-3, cULus. C
					vals on requ			SSMI, KC-Mark,	
Control na	anel						, , , , , , , ,	,	
		n diagonal "					4.3		
Control panel  LCD color touchscreen Screen diagonal "  Resolution - Width x Height px							4.3 x 480		

<sup>&</sup>lt;sup>1)</sup> Limitations may apply when using small labels, thin materials or strong adhesive. Critical applications need testing. <sup>2)</sup> Peeling labels off a liner requires liner materials not thicker than the labels.

# Technical data

Setup options			
	Print Labels Ribbon Label peel-off Apply labels Interfaces Error	Region: - Language - Country - Keyboard - Time zone Time Display: - Brightness - Low-power mode - Orientation Interpreter	
Status bar			
	Receive data Record datastream Warning on a ribbon endir SD memory card plugged USB stick plugged	Bluetooth WLAN g Ethernet USB slave Time	
Technical control			
	Ribbon winding Warning on a ribbon endir Ribbon ending Label roll ending	Print head voltage Print head temperature Print head open Pinch roller open	
	Tube / Vial diameter Tube / Vial available	Peripheral error	
	Warning on a label roll endir Cover closed*	*AXON 1 only	
Test routines		70001 1 Only	
System check	when turning on the device print heads are also detect		
Info display,	Status printout	Test grid	
test printout,	Fonts list	Label profile	
analysis	List of devices WLAN status	List of events Monitor mode	
Status notifications	- Printout of device figures, such as print durations or hours of operation - Device status request by software command - Indication of errors related to a network, barcode or periphery, missing links, etc.		
Fonts	, p p y,	<i>y</i>	
Internal	12 x 12 dots AR 16 x 16 dots CG 16 x 32 dots Ga OCR-A Ha OCR-B Mo	ector fonts: Heiti Medium GB-Mono Triumvirate Condensed Bold ruda nuda nudangHeiLight nospace 821 iss 721 iss 721 Bold	
To store	TrueType fonts		
Character sets	Windows-1250 to -1257 DOS 437, 737, 775, 850, 85 EBCDIC 500 ISO 8859-1 to -10 and -13 t WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R		
	Western European Eastern European Chinese, traditional Chinese, simplified Thai	Cyrillic Greek Latin Hebrew Arabian	
Bitmap	Widths and heights 1 - 3 m Zoom factors 2 - 10 0°, 90°, 180°, 270° orientati		
Vector / TrueType	Widths and heights 0.9 - 12 Continuous zoom 360° orientation in steps o	28 mm	
Font styles	Bold, italic, underlined, ou - depending on the font ty		
Character pitch	Variable or monospace		

	<b>■</b> standard	□ option		
Graphics				
Elements	Lines, arrows, rectangles, circles, ellipses - filled and gradient			
Formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	PCX, IMG, BMP, TIF, MAC, GIF, PNG		
Codes				
1D barcodes (linear)	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 Interleaved 2/5			
2D and stacked codes	DataMatrix DataMatrix Rectangle Extension QR code Micro QR code UPS MaxiCode Codablock F			
	Request for further codes.			
	Codes be verified by a CC200 verifier requires approval depending on code types, sizes and contents.			
	Check digits, plain text printout and start/stop are options depending on the code type.	encoding		
Software				
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print			
Running also with	CODESOFT Loftware Spectrum NiceLabel BarTender			
Stand-alone operation		-		
Windows printer drivers for	Windows 10 Server 2016 Windows 11 Server 2019 Server 2022 Certification WHQL in preparation	•		
Apple	Mac OS 10.6 or any later release			
printer drivers Linux	CUPS 1.2 or any later release			
printer drivers Programming	JScript printer language abc Basic Compiler ZPL II (Datastream be tested in advance)			
Integration	SAP Database Connector			
Administration	Printer control Configuration on the Intranet / Internet			

Free and Open Source software are part of cab products. For information see <a href="https://www.cab.de/opensource">www.cab.de/opensource</a>

## cablabel S3 software

#### Design, print, administrate

cablabel S3 opens up the full potential of cab devices. If designing a label, the modular software adapts to requirements. Plugins are provided, such as the JScript Viewer to support native JScript programming. The user interface and the JScript code synchronize in real time. Features such as the Database Connector can be included, so can barcode verifiers.





# Stand-alone printing

Printers in this mode of operation are able to select labels and print them when no host is connected.

Labels are designed on a PC, using software such as cablabel S3 or a text editor. Label formats, contents, graphics and data off a database are stored on a memory card, a USB stick or in the internal IFFS printer memory.

Only variable data are sent to a printer from a host system such as a keyboard, a barcode scanner or a scale and/or requested from a host by the Database Connector and printed.



## OPC UA

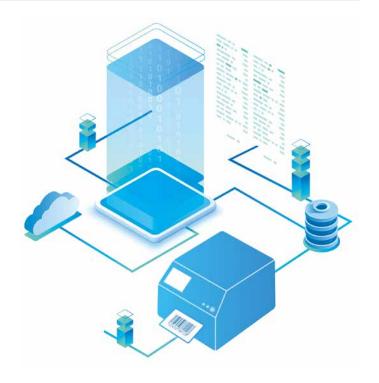
The latest cab printers are ready to interact with machines and components of different manufacturers in industrial plants.

An OPC UA server and an OPC UA client are part of the firmware.

The OPC UA server enables a printer be configured and controlled and dynamic print data be edited using a selected programming interface.

The OPC UA client enables data on other OPC UA-ready machines be read and included on a label design.

No additional software is required.



## Printer control

#### **Drivers**



cab provides drivers to control a printer with software other than cablabel S3.



Free download on www.cab.de/en/support



## Programming



#### **JScript**

cab printers embed JScript language. Download free manual on www.cab.de/en/programming

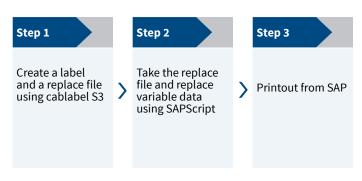
abc Basic Compiler Integral to the firmware, abc in addition to JScript enables

advanced programming before data are edited for printout. For example, external printer languages can be replaced without intervening in a print job in progress. Data may be imported as well from other systems such as scales, barcode scanners or PLC.

## Integration

Printer Vendor program

cab as a member of this program developed a replace method for controlling cab printers from  $SAP^{1)}R/3$  using SAPScript. Only variable data are sent by a host system to a printer. They add on the printer to local images and fonts (IFFS, memory card, etc.).



<sup>1)</sup> SAP and all its corresponding logos are trademarks or registered trademarks of SAP SEE

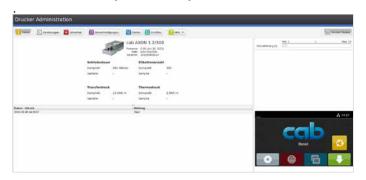
## Printer administration



### Configuration on the Intranet / Internet

Integral HTTP / FTP servers enable a printer be controlled or configured, firmware be updated and memory cards be administrated using standard applications such as a web browser or a FTP client.

Administrators and operators on behalf of SNMP / SMTP are notified of states, alerts and errors by email or SNMP datagrams. Time and date are synchronized by a time server.





#### **Database Connector**

Printers in a network may access data from a ODBC / OLEDB database and print it on labels. Data can be rewritten to a database while print jobs are in progress.



# Delivery program

## **AXON 1 tube labeling systems**

Pos.		Item no.	Designation		
1.1		5984920.xxx	AXON 1.1/300 tube labeling system		
1.2		5984930.xxx	AXON 1.1/600 tube labeling system		
1.3		5979600.xxx	AXON 1.2/300 tube labeling system		
1.4		5979740.xxx	AXON 1.2/600 tube labeling system		
1.5		5984970.xxx	AXON 1.1/300 tube labeling system 36-60 VDC		
1.6		5984975.xxx	AXON 1.1/600 tube labeling system 36-60 VDC		
1.7		5984980.xxx	AXON 1.2/300 tube labeling system 36-60 VDC		
1.8		5984985.xxx	AXON 1.2/600 tube labeling system 36-60 VDC		
		5561500	System aligned and checked using customer materials		

xxxxxxx.250 system providing options

### Options provided for AXON 1 tube labeling systems

•	•		3 ,
Pos.		Item no.	Designation
3.1		5988215.xxx	Cover
3.2		5988255.250	CC200-AXON code verifier
3.3	1.	5979765.250	Warning on a label roll ending in preparation
3.4		59xxxxx.250	K Type peel-off plate
3.6		5977767.xxx	Digital 24 VDC I/O interface

xxx - .250 assembled to a system .001 separate delivery as an accessory

Tube labeling systems - Scope of delivery
Tube labeling system Type E+F power cable, 1.8 m Connecting USB cable, 1.8 m Instructions DE/EN

#### **Provided online**

Instructions

Configuration manuals DE/EN/FR Service manuals DE/EN Spare parts lists DE/EN Programming manual EN Windows printer drivers for https://setup.cab.de/en

Windows 10 Windows 11

Server 2019 Server 2022 Certification WHQL in preparation

Server 2016

Mac OS X printer drivers DE/EN/FR Linux printer drivers DE/EN/FR cablabel S3 Lite software cablabel S3 Viewer **Database Connector** 

### **AXON 2 tube labeling systems**

Pos	•	Item no.	Designation
1.1	Day 1	5977023.xxx 5977007.xxx 5977008.xxx	SQUIX 4.3/300MP label printer SQUIX 4/300MP label printer SQUIX 4/600MP label printer
6.1	WOU'S	5987150.xxx	AXON 2 tube applicator providing a Type 56.1 peel-off plate (Ø14 mm) a TRV 14 transport roller a tray
		5561500	System aligned and checked using customer materials

xxxxxxx.250 system providing options

### Options provided for SQUIX label printers

Pos		Item no.	Designation
		5953700.xxx	DR4-M30 print roller
2.1		5953701.xxx	DR4-M60 print roller
		5953702.xxx	DR4-M80 print roller
2.2	2	5987212.xxx	Type 56.2 peel-off plate (Ø18 mm) including two pressure rollers Ø19 mm
2.3		5979925.xxx	Type 110 peel-off plate
2.4		59xxxxx.250	K Type peel-off plate
2.6		5977767.xxx	Digital 24 VDC I/O interface

#### Options provided for the AXON 2 tube applicator

Pos	•	Item no.	Designation
5.1		5987151.xxx	TRV 18 transport roller
		5953700.xxx	DR4-M30 print roller
F 2		5953701.xxx	DR4-M60 print roller
5.2		5953702.xxx	DR4-M80 print roller
	-	5954180.xxx	DR4 print roller
5.3		59xxxxx.250	TRK transport roller
5.5		5535960	TRK one-off costs

xxx - .250 assembled to a system .001 separate delivery as an accessory

**Options** are parts or components to perform special functions. They are assembled in addition to or instead of standards. In cases of options be assembled ex factory, the part numbers are added by .250. Options delivered separately are added by .001.

# Delivery program

## **AXON 1 / SQUIX accessories**

Pos.		Item no.	Designation
2.7		5977370	SD memory card
2.8		5977730	USB memory stick
2.9		5978912	USB WLAN stick 2.4 GHz 802.11b/g/n
2.10		5977731	USB WLAN stick with a rod antenna 2.4 GHz 802.11b/g/n + 5 GHz a/n/ac
2.11		5977732	USB Bluetooth adapter
2.12		5917651	I/O interface plug SUB-D, 25 pins
	No.	6010186	External control panel
2.13		5907718.850 5907730.850 5907750.850 5907760.850 5907765.850	Connecting USB cable, 1.8 m Connecting USB cable, 3 m Connecting USB cable, 5 m Connecting USB cable, 11 m Connecting USB cable, 16 m
2.14		5955710	TR2 hand switch
4.1		5550818	Connecting RS232-C cable 9/9 pins, 3 m

### **AXON 1** wear parts

Pos.	Item no.	Designation	dpi
	 5977384.001 5977385.001	Type 2 print head Type 2 print head	300 600
	5954102.001	DR2 print roller	
	5954104.001	RR2 pulley	

### **SQUIX** label printer wear parts

Pos.		Item no.	Designation	dpi	
	1 1 1 11	5977383.001 5977444.001 5977380.001	Type 4.3 print head Type 4 print head Type 4 print head	300 300 600	
		5954180.001	DR4 print roller		
		5954183.001	RR4 pulley		

Scopes of delivery, designs and technical data correspond to the date of this edition and are subject to change. Information provided in the catalogue do not represent any warranty or guarantee.

## AXON 1 / SQUIX label software

Pos.		Item no.	Designation
		Bundle	cablabel S3 Lite (download on cab.de/en)
7.6		5588001 5588100 5588101 5588150 5588151 5588152	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
7.6		5588002 5588105 5588106 5588155 5588156 5588157	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
		preparation	
7.10		9008486	Programming manual EN, printed copy

### AXON 1 / AXON 2 / SQUIX user languages

Laurena	Instructions / assembly instructions			Control	Windows	Service	cablabel S3
Language	AXON 1	AXON 2	SQUIX	panel	driver	manual	squix
European Union							
Bulgarian			Х	Х	Х		Х
Danish			Х	Х	Х		
German	Х	Х	Х	Х	Х	Х	Х
Estonian			Х	Х	Х		
Finnish			Х	Х	Х		
French	Х	Х	Х	Х	Х		Х
Greek			Х	Х	Х		
English	Х	Х	Х	Х	Х	Х	Х
Italian			Х	Х	Х		Х
Croatian			Х	Х	Х		
Latvian			Х	Х	Х		
Lithuanian			Х	Х	Х		
Dutch			Х	Х	Х		
Polish			Х	Х	Х		Х
Portuguese			Х	Х	Х		
Romanian			Х	Х	Х		
Swedish			Х	Х	Х		
Slovak			Х	Х	Х		
Slowenian			Х	Х	Х		
Spanish			Х	Х	Х		Х
Czech			Х	Х	Х		Х
Hungarian			Х	Х	Х		
Europe (Non-E	EU)						
Macedonian				Х	Х		
Norwegian			Х	Х	Х		
Russian			Х	Х	Х		Х
Serbian				Х	Х		
Turkish			Х	Х	Х		
Asia							
Chinese (simplified)			Х	Х	Х		Х
Chinese (traditional)			Х	Х	Х		Х
Japanese			Х		Х		
Korean			Х		Х		Х
Thai			Х	х	Х		
Middle East							
Persian				Х			
Arabian				X			

# Checklist for AXON tube labeling systems



						www.cab.de/en/axon-con
C P S	ontact hone treet	er no.		Ta Pr Pr Co	te of issue rget date oject owner oject control nfigurator no. ed in by cab)	
1.	Label	Width B  Height H  Type of material  Width T of liner	mm		D1	D2 D3 D3 D3 D1 D1 D1 D1 D1
2.	Print method	2.1 □ Direct thermal 2.2 □ Thermal transfer				
3.	Ribbon	Winding inside outside	mm ——	<u> </u>		
4.	3 4 5	Diameter D1 Diameter D2 Diameter D3 Length L Distance E Height F	mm mm mm	□ 55 <sub>1</sub>	61500 <b>System ali</b> Required ar	gned and checked re approx. 100 tubes / vials 1 label roll 1 ribbon roll
		Insertion / Removal □ by hand □ automat		Δ>	ON 2	
_				<b>5.</b>	Tube / Vial opens	s to the □ right □ left
<b>A</b> 5.	XON 1 Tube-Etikettie			э.	Tube / Vial remov	_
5.1 5.2 5.3 5.4 5.5 5.6 5.7	☐ 5984920.xxx ☐ 5984930.xxx ☐ 5979600.xxx ☐ 5979740.xxx ☐ 5984970.xxx ☐ 5984975.xxx ☐ 5984980.xxx	AXON 1.1/600 tube labeling system AXON 1.2/300 tube labeling system AXON 1.2/600 tube labeling system AXON 1.1/300 tube labeling system 36-60 VD AXON 1.1/600 tube labeling system 36-60 VD	С	7. 7.1 7.2 7.3 8. 8.1 8.2	☐ 5977023.xxx ☐ 5977007.xxx ☐ 5977008.xxx	sonfigured for tube applicator use SQUIX 4.3/300MP label printer SQUIX 4/300MP label printer SQUIX 4/600MP label printer d for label printers DR4-M30 print roller (max. label width 25.4 mm) DR4-M60 print roller (max. label width 56 mm)
5.8 <b>6.</b> 6.1 6.2	☐ 5984985.xxx  Options ☐ 5988215.xxx ☐ 5988255.250	AXON 1.2/600 tube labeling system 36-60 VD  Cover  Code-Checker CC200-AXON (auf Anfrage)	С	8.3	□ 5953702.xxx □ 5987212.xxx	DR4-M80 print roller (max. label width 76 mm) Type 56.2 peel-off plate (Ø 18 mm) including two pressure rollers Ø 19 mm
6.3 6.4 6.6	☐ 5979765.250 ☐ 59xxxxx.250 ☐ 5987288.250	Etikettenvorwarnung (in Vorbereitung) Spendekante K (kundenspezifisch) Bausatz für Tube- / Vialdurchmesser 16 - 38 n	nm	8.5 8.6 8.8 <b>9.</b>	<ul><li>□ 5979925.xxx</li><li>□ 59xxxxx.250</li><li>□ 5977767.xxx</li><li>Tube applicator</li></ul>	Type 110 peel-off plate (Ø 14 mm) K Type peel-off plate (customer-specific) Digital 24 VDC I/O interface
6.7 Fille	□ 5977767.xxx	AXON 1.2: 1.0 mm bis 11 mm vom Boden Digitale I/O-Schnittstelle 24 VDC		9.1	□ 5987150.xxx	AXON 2 tube applicator providing a Type 56.1 peel-off plate (Ø 14 mm) a TRV 14 transport roller (Ø 14 mm)
	cticable Name	□ yes □ no		<b>10.</b> 10.1	Options provide  ☐ 5987151.xxx	a tray <b>d for tube applicator use</b> TRV 18 transport roller (Ø 18 mm)
		Signature		10.2 10.3 10.4	_	DR4-M30 print roller (for transport roller use) DR4-M60 print roller (for transport roller use) DR4-M80 print roller (for transport roller use)
		l required after check of practicability: □ yes □ no		10.5 10.6	☐ 5954180.xxx ☐ 59xxxxx.250 ☐ 5535960	DR4 print roller (for transport roller use) TRK transport roller TRK one-off costs
	Phone Email			They	ons are parts or co are assembled in	omponents to perform special functions. addition to or instead of standards. assembled ex factory, the part numbers

are added by .250. Options delivered separately are added by .001.

# Overview of cab products

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 printers **SQUIX 8.3** 



Label printers **XD Q** double-sided



Label printers XC two-colored



Print and apply systems HERMES Q



Print and apply systems Hermes C two-colored



Tube labeling systems AXON 1



Print modules PX Q



Labels and ribbons



Label software cablabel S3



Label dispensers HS, VS



Labeling heads



Marking lasers



Laser marking systems



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