

# cab AXON 2

AN AUTOMATIC TUBE AND  
VIAL LABELER

The Axon 2 is a low throughput volume tube and vial label applicator offering reduced operator involvement when compared to manual labeling. The operator places the tube or vial in the applicator arms, taps the touchscreen icon and the labeled tube is either dropped into the tray or removed by hand.

The Axon 2 was designed to include print and apply automation and can accommodate a range of tube and vial sizes.



- Compact design
- User friendly interface
- Easy integration
- Affordable

# TECHNICAL DATA

Tube Labeling System		Type	AXON 2	AXON 2	
			4.3	4	
Material guide			Centered		
Printing method	Thermal Transfer		●	●	●
	Thermal Direct		●	○	-
Printable resolution		dpi	300	300	600
Print speed		mm/s	100	100	100
Print width		up to mm	108.4	105.7	105.7
<b>Material</b>					
Packing	Orientation during labeling		Horizontal		
	Diameter	mm	10 - 17		
	Length capped	mm	38 - 105		
	Conicity (change of diameter)	up to %	0.8		
Labels	Material		Paper, plastics PP, PC		
	Width	mm	10 - 56		
	Height	from mm	15		
	Roll diameter	up to mm	205		
	Core diameter	mm	38 - 76		
	Winding		Outside		
Liner material width		up to mm	60		
Ribbon	Ink Side		Outside or inside		
	Roll diameter	up to mm	80		
	Core diameter	mm	25		
	Variable length	up to m	450		
	Width	mm	25 - 114		
<b>Printer sizes and weight</b>					
Width X Height X Depth		mm	252 X 288 X 520		
Weight		approx. kg	12		
<b>Interfaces</b>					
RS232C			1,200 to 230,000 baud/ 8 bit		
USB 2.0			Hi-speed device to connect a PC		
Ethernet			10/100 Mbit/s		
1 x USB host on the operation panel		for	Service Key, USB memory stick		
2 x USB host on the back of the device		for	Keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN-stick		
Digital I/O interface			Providing 8 inputs and outputs		□

# TECHNICAL DATA

## AXON 2 Tube Labeling System

### Operating Data

Power supply		100 – 240 VAC, 50/60 Hz, PFC	■
		24 – 60 VDC	□
Power consumption		Standby <10 W/ typical 100 W	
Temperature/ humidity	Operation	+5 - 40°C / 10 - 85%, not condensing	
	Stock	0 - 60°C / 20 – 85%, not condensing	
	Transport	-25 - 60°C / 20 – 85, not condensing	
Approvals		CE, FCC Class A, ICES-3, cULus, CB	

### Operation Panel

Colored LCD touch display	Screen diagonal	“	4.3
	Resolution W x H	px	272 x 480

### Monitoring

	Ribbon pre-warning End of ribbon Direction of ribbon winding End of labels	Periphery error Print head voltage Print head temperature Print head open Pinch roller open
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### Fonts

Font types internally provided	5 Bitmap fonts: 12 x 12 dots 16 x 16 dots 16 x 32 dots OCR-A OCR-B	7 vector fonts: AR Heiti Medium GB-Mono CG Triumvirate Condensed Bold Garuda HanWangHei Light Monospace 821 Swiss 721 Swiss 721 Bold
to be stored	TrueType fonts	
Character sets	Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869 EBCDIC 500 ISO 8859-1 to -10 and -13 to -16 WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R	
	Western European Eastern European Chinese simplified Chinese traditional Thai	Cyrillic Greek Latin Hebrew Arabic

## AXON 2 Tube Labeling System

### Fonts Continued

Bitmap fonts	Widths and heights 1 – 3 mm Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 270°
Vector / TrueType fonts	Widths and heights 0.9 – 128 mm Continuous zoom Orientation 360° in steps of 1°
Font styles	Bold, italic, underlined, outline, inverse – depending from the font types
Character spacing	Variable or monospace

### Graphics

Graphic elements	Lines, arrows, rectangles, circles, ellipses – filled or filled with fading
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG

### Barcodes

Linear	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 EAN/UCC 128/GS1-128 EAN/UPC Appendix 2	EAN/UPC Appendix 5 FIM HIBC Interleaved 2/5 Ident and routing code of Deutsche Post	Codabar JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0
2D and stacked	DataMatrix DataMatrix Rect. Extension QR code Micro QR code GS1 QR code	GS1 DataMatrix PDF 417 Micro PDF417 UPS MaxiCode GS1 DataBar	Aztec Codablock F RSS 14 truncated, limited, stacked / omnidirectional
All codes are variable in terms of height, modular width and ratio; orientations 0°, 90°, 180°, 270°. Check digit, plain text printout and start / stop code are options depending from the type of code			

### Software

Label software	cablabel S3 Lite	cablabel S3 Viewer	■	
	cablabel S3 Pro	cablabel S3 Print	□	
Running also with	CODESOFT, NiceLabel, BarTender			
Stand-alone operation	■			
Windows printer drivers WHQL certified for	Windows Vista Windows 7 Windows 8	Windows 8.1 Windows 10	Server 2008 Server 2008 R2 Server 2012 Server 2019 Server 2012 R2 Server 2016	■

**AXON 2 Tube Labeling System**

**Software Continued**

Apple Mac OS X printer drivers	from version 10.6	■
Linux printer drivers	From CUPS 1.2	■
Programming	Jscript printer language abc Basic Compiler	■
Integration	SAP Database Connector	■
Administration	Printer control Configuration in Intranet and Internet Network Manger (in preparation)	■