

Edition 2.0



MACH1/2

Highlights



With the MACH1/2 cab completes its printer range in the lower price segment:

- Reliable 4“ desktop printers in proven technology
- Ideal for small to medium-volume printing
- For thermal transfer and direct thermal printing
- MACH1 with control buttons and LED display, MACH2 with colored LCD display and navigator pad
- Printable resolutions 200 dpi or 300 dpi for both printer types
- Processing of label widths up to 118 mm
- The solid double-walled construction allows printing in all areas.



Operation

The MACH1/2 can be opened up widely to insert the ribbon and the label roll ¹. Adjustment of different materials via a calibration button without loss of time.

The multi-language color display ² and the cab navigator pad ³ of MACH2 are logically structured and intuitively operable for the user.

A total of four interfaces (including Ethernet) ⁴ offer flexibility and fast device connection.

Fields of application

Business area	Applications
Office/authorities	Information and warning labels, inventory labels
Production	Product labels, protocol, certification and test labels
Healthcare	Labels for patient admission, blood banks
Trading	Product labels, pricing
Warehouse	Labels for storage location, shelf labeling
Transport/logistics	Address and shipping labels, incoming goods
Events	Labels for events in sports and schools, tickets

Software and printer drivers



Besides a cab Windows driver each device is provided with the cablabel S3 software which allows creating label formats of all kinds. Via the integrated real-time clock the labels can be signed with the current date and time.

Materials and accessories

The MACH1/2 rely on standard ribbons with 1“ core and a length of 300 m. The maximum outer diameter for the label roll to be inserted in centered position is 127 mm.

Accessories such as the cutter, the present sensor and the external unwinder allow universal use of the low-maintenance compact printers.

Product range

Pos.		Part no.	Devices
1.1		5430001	Label printer MACH1/200
		5430002	Label printer MACH1/300
1.2		5430003	Label printer MACH2/200
		5430004	Label printer MACH2/300

Pos.	Part no.	Accessories
2.1	5430051	Cutter (cutting height between labels at least 30 mm)
2.2	5430052	Present sensor (label height at least 25 mm)
2.3	5430053	External unwinder (for roll diameters up to 250 mm)

Technical data¹⁾

	1.1	1.2
Label printer	MACH1	MACH2
Print head		
Printing method	Thermal transfer, direct thermal	
Printable resolution dpi	203	300
Print speed up to mm/s	127	102
Print width up to mm	108	105.7
Material²⁾		
Paper, cardboard, plastics continuous material on a roll or fanfold	■	■
Width Labels mm	25 - 112	
Width Liner continuous material mm	25 - 118	
Label height at least mm	4	
Label height up to mm	1,727	762
Thickness mm	0.06 - 0.2	
Weight g/m ²	60 - 160	
Roll Outer diameter up to mm	127	
Roll Core diameter mm	25.4 - 38.1	
Winding	Outside or inside	
Ribbon		
Ink side	Outside or inside	
Roll diameter up to mm	68	
Core diameter mm	25.4	
Variable length up to m	300	
Width mm	25 - 114	
Printer size and weights		
Width x Height x Depth mm	210 x 186 x 280	
Weight kg	2.7	3
Label sensor with position indication		
Gap sensor	Fixed at center	
Reflective sensor from below	Adjustable	
Electronics		
Storage Flash MB	16	
Storage SDRAM MB	8 (4 MB for the application)	
Battery for current date/time, real-time clock	■	■
Interfaces		
RS232C	■	■
USB for PC connection	■	■
Ethernet	■	■
USB host	-	■
Operating data		
Power supply	100 - 240 VAC ~ 50/60 Hz, PFC	
Power consumption up to W	60	
Temperature / humidity	Operation	5 - 40°C / 30 - 85% not cond.
	Storage	-20 - 50°C / 10 - 90% not cond.
	Transport	-25 - 60°C / 20 - 80% not cond.
Approvals	CE, FCC, CCC, CB, UL, KCC	

¹⁾ All information on the 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/mach1-2

²⁾ Limitations may apply to small labels, thin materials or strong adhesives. These applications need to be tested and approved.

■ Standard □ Option

Operation panel			
Buttons	Feed	■	■
	On/off	■	■
	Material sensor calibration	■	■
LEDs	Ready	■	-
	Status	■	-
Colored TFT display with navigator pad		-	■
On display (MACH2)			
		Printer settings Label settings Devices Diagnostics Exit Clock/time	
Control			
		End of ribbon End of material Print head open	
Testing			
System diagnosis	When device is switched on, including print head detection		
Short status report, status printout	Printer settings Label settings Devices Diagnostics Exit Test printout Label calibration		
Fonts			
Font types	11 bitmap fonts including OCR-A, OCR-B		
Character sets	Codepage 437, 737, 850 to 852, 855, 857, 860 to 863, 865, 866, 869 Windows 1250 to 1255, 1257		
Bitmap fonts	Zoom factor up to eight times width and height; orientation 0°, 90°, 180°, 270°		
Graphic formats			
		PCX, BMP	
Barcodes			
1D codes	Code 39	Postnet	
	Code 93	ITF 14	
	EAN/UPC Appendix 2	China Postal Code	
	EAN/UPC Appendix 5	HIBC	
	Interleaved 2/5	MSI	
	Codabar	Plessey	
	Code 128 A, B, C	Telepen	
	EAN 128	FIM	
	UCC 128	GS1 DataBar	
2D codes	PDF417	Micro PDF417	
	DataMatrix	Micro QR code	
	MaxiCode	Aztec	
	QR code		
Software			
Printer language	EZPL		■
Emulations	ZPL, EPL (Data stream has to be tested in advance.)		□
Label software	cablabel S3 Lite		■
	cablabel S3 Viewer		■
	cablabel S3 Pro		□
Windows drivers certified 32/64 bit for	Windows Vista	Server 2008	
	Windows 7	Server 2008 R2	
	Windows 8	Server 2012	
	Windows 8.1	Server 2012 R2	
	Windows 10	Server 2016	■

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There are further 820 distribution partners in more than 80 countries.



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