

Edition 1.0



MACH1/2

Highlights



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



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	203	300
Print speed up to mm/s		127	102	177	127
Print width up to mm		108	105.7	108	105.7
Material ²⁾					
Paper, cardboard, plastics continuous material on a roll or fanfold		■		■	
Width	Labels mm	25 - 112			
	Liner continuous material mm	25 - 118			
Label height	at least mm	4			
	up to mm	1,727	762	1,727	762
Thickness mm		0.06 - 0.2			
Weight g/m²		60 - 160			
Roll	Outer diameter up to mm	127			
	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			
	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. 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 Code 93 EAN/UPC Appendix 2 EAN/UPC Appendix 5 Interleaved 2/5 Codabar Code 128 A, B, C EAN 128 UCC 128	Postnet ITF 14 China Postal Code HIBC MSI Plessey Telepen FIM GS1 DataBar	
2D codes	PDF417 DataMatrix MaxiCode QR code	Micro PDF417 Micro QR code Aztec	
Software			
Printer languages	EZPL, ZPL, EPL		■
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro		■ ■ □
Windows drivers certified 32/64 bit for	Windows Vista Windows 7 Windows 8 Windows 8.1 Windows 10	Server 2003 Server 2008 Server 2008 R2 Server 2012 Server 2012 R2	■

 Headquarters and fabrication in Germany

 to  International subsidiaries

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



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