

Status: 09/2019



Products need labeling
Label printers
for desktop applications



MACH1/2

Key features



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.



2 Operation

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

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

4 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 an 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.

Delivery program

Pos.	Part no.	Printers
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	
	Liner continuous material mm	25 - 118	
Label height	at least mm	4	
	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	
	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)	
Batterie 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 condensing	
	Storage	-20 - 50°C / 10 - 90 % not condensing	
	Transport	-25 - 60°C / 20 - 80 % not condensing	
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 Digital clock		
Control			
	End of ribbon End of material Print head open		
Testing			
System diagnostics	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 bis 852, 855, 857, 860 bis 863, 865, 866, 869 Windows 1250 bis 1255, 1257		
Bitmap fonts	Zoom factor up to eight, 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	DataMatrix	PDF417	
	QR code	Micro PDF417	
	Micro QR code	Aztec	
	MaxiCode		
Software			
Printer language	EZPL		■
Label software	cablabel S3 Lite		■
	cablabel S3 Viewer		■
	cablabel S3 Pro		□
	cablabel S3 Print		□
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 Server 2019	■