cab
we identify more

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 **①**
- The solid double-walled construction allows printing in all areas.

Operation **②**

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.

The multi-language color display **②** and the cab navigator pad **③** of the 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 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 data[1]

Label printer			1.1 MACH1		1.2 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 lenght		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			

■ 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		
Codes				
1D barcodes (linear)		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 and stacked codes		DataMatrix QR code Micro QR code MaxiCode	PDF417 Micro PDF417 Aztec	
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 Windows 7 Windows 8 Windows 8.1 Windows 10	Server 2008 Server 2008 R2 Server 2012 Server 2012 R2 Server 2016 Server 2019	■

[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.

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