

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	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.



Europe

Germany

cab Produkttechnik GmbH & Co KG
Wilhelm-Schickard-Str. 14
76131 Karlsruhe
phone +49 721 6626 0
fax +49 721 6626 129
info@cab.de
www.cab.de

France

cab Technologies S.à.r.l.
2a Rue de la Moder
Z.A. Nord du Val de Moder
67350 Niedermodern
phone +33 388 722501
fax +33 388 722502
info.fr@cab.de
www.cab.de/fr

America

USA

cab Technology, Inc.
87 Progress Avenue Unit 1
Tyngsboro, MA 01879
phone +1 978 649 0293
fax +1 978 649 0294
info.us@cab.de
www.cab.de/us

Latin America

Alejandro Balmaceda
Hacienda Jurica Pte 1615
Colonial de Valle
32553 Juárez, Mexico
phone +52 656 682 4301
a.balmaceda@cab.de
www.cab.de/es

Asia

Taiwan

cab Technology Co., Ltd.
希愛比科技股份有限公司
16F-1, No. 700, Jhong Jheng Rd
Junghe, Taipei 23552
phone +886 (02) 8227 3966
fax +886 (02) 8227 3566
info.asia@cab.de
www.cab.de/tw

China

cab (Shanghai) Trading Co., Ltd.
锐博(上海)贸易有限公司
A507, No. 268, Tong Xie Rd
Shanghai 200335
phone +86 (021) 6236 3161
fax +86 (021) 6236 3162
info.cn@cab.de
www.cab.de/cn

cab (Shanghai) Trading Co., Ltd.
锐博(上海)贸易有限公司
Room 39, 10F, 8 Lin He Zhong Rd
Tian He District, Guangzhou 510610
phone +86 (020) 2831 7358
info.cn@cab.de
www.cab.de/cn

Africa

South Africa

cab Technology (Pty) Ltd.
14 Republic Street
Bordeaux
2125 Randburg
phone +27 11 886 3580
fax +27 11 789 3913
info.za@cab.de
www.cab.de/za