

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.

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 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 | ■ |

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