# PEMATECH

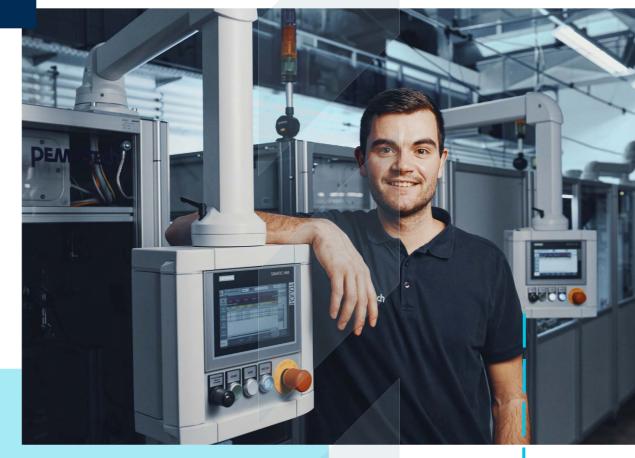


MCIL Magazine loader Loading and unloading

## Magazine loader **MCIL**

## Loading and unloading system for printed circuit boards

The magazine station is used for loading and unloading printed circuit boards. In operation as a "loader", printed circuit boards are fed to the test line. In "Unloader" mode, tested PCBs are removed from the line and deposited in the magazine. Our magazine station is adaptable to all industry standard magazines. The MCIL magazine loader checks the correct position of the PCB panels and the magazine interlock and opens them if necessary.



## More autonomy through multiple stations

The addition of further buffer stations offers the possibility of providing more magazines and changing them automatically in the magazine station. Thus, the magazine station works independently and autonomously for longer.

## Advantages

- Adaptable to all industry standard magazines
- Expandable with different magazine buffers
- Magazine exchange time under 30 sec.
- Magazine lock is checked and opened if necessary
- Check of the correctness of the PCB orientation

#### **Features**

- Operation as loader or unloader
- S7 PLC control with remote maintenance module
- Transport bandwidth individually • adjustable
- Magazine stroke movement via linear unit with ball screw spindle and DC worm gear motor, incremental encoder
- Doors with lockable safety switches

## **Options**



- Bulkhead as access protection •
- Additional 500 mm conveyor belt

## **Technical data**

### Machine

Dimensions

Transportspeed 12m/min with belt conveyor

Station design 2+2, 3+3, 4+4, 5+5, various special shapes

### Printed circuit board specication

Dimensions max. 400 x 400 mm min. 80 x 50 mm

Ratio L to W min. 1

Weight max. 3 kg

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1050 x 900 x 1850 mm (magazine station)

720x 938 x 1850 mm (magazine station 2+2)

Transport height 950 mm +/-25 mm

Width adjustment 50 - 400 mm

#### Magazine specification

Weight with test specimens max. 30 kg

**Standard magazine** 50 slots, pitch = 10 mm, 480 x 470 x 560 mm

Handling time approx. 6 sec.

Magazine change ca. 30 sec.

**Component-free** transport edge min. 3 mm

Thickness min. 1,5 mm

Deflection max 2 mm

## WE LIVE AUTOMATION!





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