



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

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

Transportspeed

12m/min with
belt conveyor

Station design

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

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.

Printed circuit board specification

Dimensions

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

Ratio L to W

min. 1

Weight

max. 3 kg

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

Thickness

min. 1,5 mm

Deflection

max 2 mm

WE LIVE AUTOMATION!

With us you will find the right assembly and
test system for your products!

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