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M10 Test Handling

JOT M10 Handler is the head of JOT M10 product family. It is designed to adapt different type of test processes and enable high usability of test instrumentation. M10 Handler works with customizable, application specific test boxes. Handling process is defined by independent receipts which provides high flexibility over product lifetime but also ensures handler reusability. Not to mention, M10 is capable to serve several test phases integrated in one M10 or decentralized in multiple M10 systems.

- Compact construction enables number of test places per m²
- Different type of grippers available
Handling time minimization with multigripping
- Centralized DUT routing with test jig balancing when number of test boxes in line
- Web based UI, remote/wireless access
- Easily scalable to production volume changes
- Automated inline calibration with 'golden product' without production interruptions.
- Full compatibility with board handling equipment
- Silent and fast operation
- Smooth material flow with dual rail conveyor
- Freely configurable test route
- Fast 'push in' type integration with JOT M10 Test Rack
- Test fixture debugging and service is done off-line without production interruption
- Pre-configured product picking and dropping points



MACHINE IDENTIFICATION

Machine name and code:
M10 Test Handler M10-728
M10 Test Rack M10-729

STANDARD FEATURES

Dual line conveyor for untested and tested products

Different type of grippers available

Manipulator with X, Y, and Z axes.

Product 2D/barcode handling through M10 test line and transfer to tester

Conveyor Track height:
950 mm (Smema) / 350 mm (Extended)
(selected in ordering phase)

M10 rack has totally 32 U space for M10 test boxes and/or test instruments

- Smema track height: 20 U available for test boxes

M10 rack has fans at the top for ventilation and air filters on both sides

Ethernet, power, and pneumatic supply is needed to connect rack to factory environment

CE safety compliant

ESD-safe design

CONTACT INFO

www.jotautomation.com

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RELATED PRODUCT

SCU-439 Scanner unit for multi-code reading prior test line

FMM-440 Fail Module Marking Unit after test line

M10-562 M10-X Test Handler

M10-564 M10-X Test Rack

M10 test boxes

CONTROLLING

Machine controlling with Embedded PC technology with software PLC

Line flow controlled by industrial PC

TECHNICAL CHARACTERISTICS

Track height:
940-965 mm (37.0-38.0") or 350 mm (14")

Fixed edge, rear side: 460 mm (18.1")

Fixed edge, front side: 215 mm (8.5")

Control Connectors: USB, Ethernet

INSTALLATION REQUIREMENTS

Power supply (without test boxes):

- 220-240 VAC / 50 Hz / 3 A
- 100-120 VAC / 60 Hz / 5 A

Compressed air connection: 0.6 MPa (87 psi)

Air consumption (without test boxes):
1 l/min (0.04 cfm)

DUT SPECIFICATION

3 mm free edge for PWB handling

Max product panel size:
W300 x D200 mm (11.81" x 7.87")

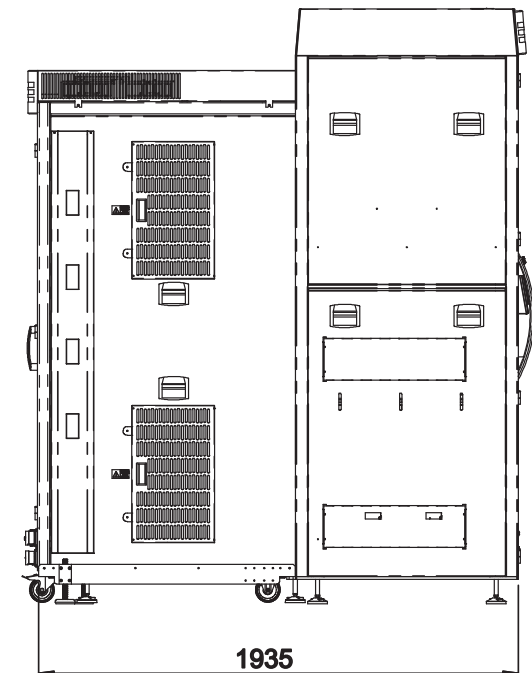
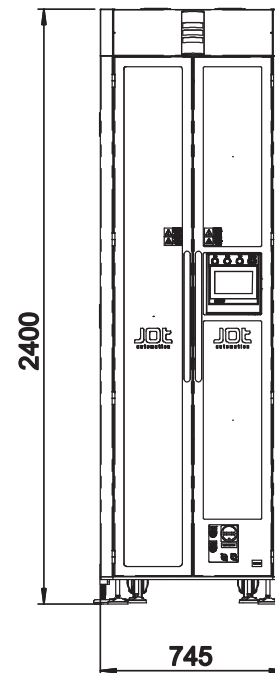
Max top side component height: 50 mm (1.97")

Max bottom side component height: 10 mm (0.39")

Max weight 1 kg

Note!

Application specific test box might limit DUT size



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