

LM400 Series Picomat II-V

Double and Quad Density Grid Test System



- ▲ Medium to High Density
- ▲ Accuracy
- ▲ Economical Efficiency
- ▲ Automatic Optical Alignment
- ▲ Low Ohm Testing

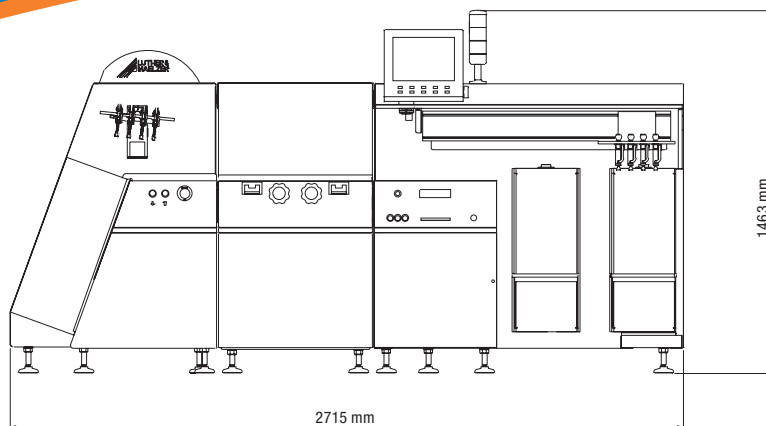
COMBINEDSTRENGTH

atg
test systems

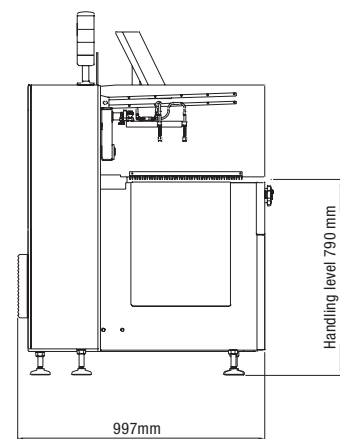
**LUTHER &
MAELZER**

Technical Specification

LM400 Series Picomat II-V



Front View



Side View

Testfield Size

Maximum (X x Y) 325 x 244 mm / 12.8" x 9.6"
(smaller field sizes available upon request)

Board Handling

Minimum board size (X x Y) 50 x 50 mm / 1.97" x 1.97"
Maximum board size (X x Y) 365 x 284 mm / 14.4" x 11.2"
Minimum board thickness
- manual testing 0.1 mm / 0.0039"
- automatic testing 0.6 mm / 0.023"
Maximum board thickness 8 mm / 0.315"

Testpoints

(1 mil = 1 / 1000 inch = 0.025 mm) one side / both sides
In 70 mil (200 testpoints / inch²) 24,576 / 49,152
50 mil (400 testpoints / inch²) 49,152 / 98,304

Test Parameters

Test Voltage 40 to 250 VDC
Continuity Threshold 10 Ω to 10 kΩ
Isolation Threshold 100 kΩ to 100 MΩ
Embedded Resistor Measurement 1 Ω to 10 kΩ
(Resistor Values to be defined in ADAM II) <100 Ω <2 Ω
100 Ω to 10 kΩ <2 %
Optionally (with 4-wire measurement) <100 Ω to <0.5 Ω
(only with special 70 mil electronics)

Data Preparation

External generation of drill-files, test-files and object files for fault location is done in ADAM II

Required data formats for data preparation:

Gerber
Extended Gerber
IPC-D-356A
.dpf-data
ODB++
Mask & drill data

Fault Location

Fault location and verification is done in CAR II or on an atg Flying Prober

Options

- Micro-Adjustment (manual and semi-automatic)
- HiCP High Current Pulse Electronics (increase of measurement current to 40 mA)
- Edge Marker
- Stamp Marker (only with Mechanical Restacker)
- Retractable Guide Rails
- ASF Automatic Stepping Function
- IMA Integrated Micro-Adjustment

Power Supply

AC 400 V [3 / N / PE AC 400 V] 50 / 60 Hz

Compressed Air

Connecting pressure 8 to 10 bar

Temperature

18 to 27 °C

Relative Humidity

40 to 60 %

Machine Weight

Approx. 1000 kg

All information subject to change without notice!

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atg Luther & Maelzer GmbH

Zum Schlag 3 • D-97877 Wertheim • Germany
Phone +49-9342-291-0 • Fax +49-9342-395 10
sales@atg-lm.com • www.atg-lm.com

atg Luther & Maelzer GmbH

Hagenburger Strasse 54 • D-31515 Wunstorf • Germany
Phone +49-5031-174-0 • Fax +49-5031-174 109
sales@atg-lm.com • www.atg-lm.com

