

PICOMAT LM 100/11A

Universal bare board tester,
for high speed high throughput,
precision testing.

Double sided bare board tester, with universal fixtures
on top and bottom sides. 100 mil or 70 mil grids.

Test area, each side:	325 x 244	mm
	12.8 x 9.6	inches
	12288	points (100 mil)
	24576	points (70 mil)
Average board test rate:	900	PCB/hr up to 2500 tps
Floorspace	tester:	130 x 75 cm
	autofeed:	90 x 77 cm
	marker:	90 x 77 cm
	restacker:	90 x 125 cm
	controller:	40 x 30 cm



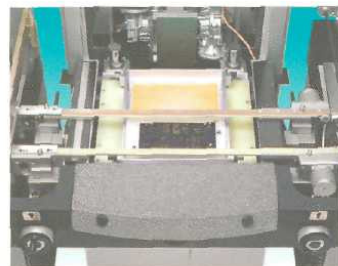
It's fast, accurate, economic – It's a Luther & Maelzer!



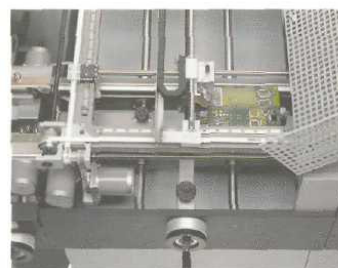
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Auto-Feed



Test Head



Marker Unit



Restacker Unit

The Picomat automation concept enables modular units – auto-feed, marker and “good/bad” restacker – to be integrated around the Pico test machines, and controlled by a common bus system. This concept is open-ended in that it enables additional units to be added as required, or as they are developed in the future. Sensors in the overall control system track and monitor each board as it progresses from feeder through test to restacker.

Auto-Feed

The autofeeder handles boards over a mechanical range from 50 x 50 mm to 365 x 284 mm at rates up to 900 per hour. 200 boards, 1.5 mm thick, can be stacked in the loader at one time. The bottom board is separated from the stack before feeding to prevent damage to the boards.

Test Head

The boards are transported through the Picomat on conveyor belts. In the test head, initial positioning is against end stops, then by means of the registration pins in the fixtures. Final registration can be by the optional microadjustment (see separate leaflet).

Marker Unit

The “good” boards can be stamped in the marker unit. The position of the stamp is fixed either in the fixture building software or via the display on the control unit. Each image can be stamped on a multi-image panel.

Restacker Unit

The restackers separate the “good” and “bad” boards after test. They can be adjusted to take the full mechanical range of boards. Adjustable “soft” end stops cater for boards with irregular profiles.

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