LM400/11.2A PICOMAT

This tester is the ideal tester for **high volume testing**. With this machine up to **1200 boards per hour** can be tested. It stands out because of its very **easy handling** and operation through its ergonomically designed user interface. Besides the **speed and precision**, the ease-of-use was the main achievement for this machine.

It accepts board sizes of up to 12.8"x 9.6", covering a wide variety of different bare PCBs. This machine can either be equipped with a Mechanical Feeder, or with a Vacuum Feeder for less strain on the PCBs. A transport unit and a Double Restacker are also part of this automatic test system. Other options include an Optical MicroAdjustment, a Cleaner or a Triple Restacker. Three different grids of measuring electronics - **100mil 70mil 50mil** - are available to enable the machine to test even the most complicated boards.

Technical Specifications

Testfield Size	
Maximum	325 x 244mm / 12.8” x 9.6”
(smaller field sizes available upon request)	
Board Dimensions	(length x width)
minimum board size	50 x 50mm / 1.97” x 1.97”
maximum board size	365 x 284mm / 14.4” x 11.2”
minimum board thickness	0.6mm / 0.0023”
maximum board thickness	8mm / 0.315”
Testpoints	
(1mil = 1/1000 inch = 0.025mm)	one side / both sides
in 100mil (100 testpoints /inch_)	12288 / 24576
in 70mil (200 testpoints /inch_)	24576 / 49152
in 50mil (400 testpoints /inch_)	49152 / 98304
Test Parameters	
Test Voltage	40 - 250VDC
Continuity Threshold	10_ - 10k_
Isolation Threshold	100k_ - 100M_
Embedded Resistor Measurement	Range 1 - 10k_
(Resistor Values to be defined in ADAM II)	
	Accuracy <100_ : <2_
	100_ - 10k_ : <2%
optionally (with 4-wire measurement):	<100_: <0.5_ (only with special 70mil electronics)
Throughput ("Good Boards" per hour)	up to 1200
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 LM40/50.2; Picoprobe with Verification

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