



TEST UNIT

Max. test field: 20.0 in (X) x 19.2 in (Y)
508 mm (X) x 488 mm (Y)
both sides, DD or MD4

Test point density: DD 70 mil or MD4 50 mil
Fixture heights 35 - 120 mm (1.4 in - 4.7 in) both sides,
height adjustment for up to 250 mm for all standard atg-
fixtures.

Electric motor driven 4-spindle actuation with plane parallel pressure, upper test unit 90° swivelling

TEST ELECTRONICS

Standard electronic modules with 1024 test channels, with exchangeable interfaces for:

- DD 0.4 in x 12.8 in: 1024 test points per module, max. contact field 16 in x 12.8 in
 - DD 0.4 in x 19.2 in: 1024 test channels and 1536 contact points per module, max. contact field 20 in x 19.2 in
 - MD4 0.4 in x 12.8 in: 1024 test channels and 2048 contact points per module, max. contact field 16 in x 12.8 in
 - MD4 0.4 in x 19.2 in: 1024 test channels and 3072 contact points per module, max. contact field 20 in x 19.2 in
- Each EXALine MD can be upgraded or downgraded in the field to one of the above interfaces.

FIXTURE

Fixture building with Magic Suite™ ValuGrid®
The spring probe is freely selectable in pressure and size and exchangeable
Existing DD fixtures or full grid cassettes can be used in MD4 grid.

TEST PARAMETERS

Test current: up to 50 mA, programmable
Test voltage: 10 V - 250 V, programmable
Continuity test: 5 Ohm - 10 kOhm, depends on fixture
Isolation test: programmable up to 100 MOhm

TRANSFER UNIT

Stacker load : 350 mm (14 in) each stacker
Stacker load weight: max. 150 kg

Boom conveyor length: 560 mm (22 in) for good boards
Piling height: max. 100 mm (7 in)

Non-stop operation for stackers, throughput of 1000 boards/h with 5000 TP, test to the edge with moveable belts

DIAGNOSIS

Automatic self test up to component level, very service friendly through easy access to all essential components

TESTABLE BOARDS

Thickness: up to 5.0 mm (0.2 in)
Maximal size: 560 (X) x 535 (Y) mm,
22 in (X) x 21 in (Y)
Minimal size: 80 (X) x 50 mm (Y),
3.15 in (X) x 1.96 in (Y)

Outside shape: 2 sides parallel, recess of lateral edges allowed, except at corners

Board sag: max. 1% of product width
Weight: no limit

DATA FORMAT

Input: netlist data (ANF-format)
Learning: self learning from good sample
Output: fault data for repair or verification at atg flying probe testers

NETWORK

Ethernet, TCP/IP, NFS

OPTIONAL EXTENSIONS

Resistance test 10 Ohm - 100 MOhm, ±10%
Electrical offset recognition for alignment
Various marking systems

OPERATION

Prepared for automatic, semiautomatic and manual mode, easy loading, easy access to test area
Software: graphical user interface, several languages

ENVIRONMENTAL CONDITIONS

Temperature: 18° C - 25° C (64° F - 77° F)
Rel. humidity: 45 % - 60 % (10 MOhm)
45 % - 50 % (100 MOhm)

SUPPLY

Power: 3 x 400 V, 50 Hz
3 x 208 V, 60 Hz (option)
Power consumption: 6000 VA
Compressed air: 6 bar, about 90 psi (filtered)

Weight: about 2900 kg