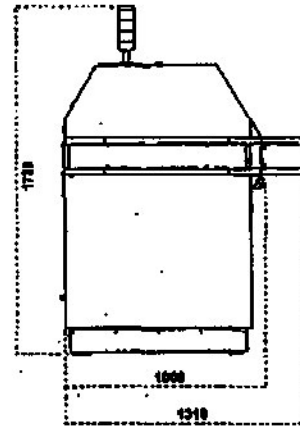
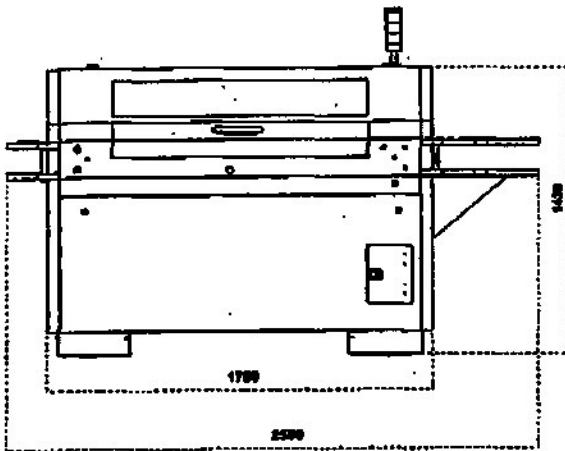


Specifications A 3



Size

Width:	2.58 m
Depth (shuttle closed):	1.31 m
Depth (shuttle open):	1.53 m
Height:	1.72 m

System configuration

Probes:	8 flying probes (4 top side, 4 bottom side)
Alignment system:	CCD B/W camera for product upper side (option: 2nd camera for bottom side)
Board fixing:	Manual loading with shuttle suitable for multi-samples
Products	
Test field size:	max. test area 520 x 400 mm max. product size 550 x 430 mm
Board thickness:	max. 6 mm
Max. bend:	2 mm caused by a force of 4 N

Positioning control for flying probes

Positioning accuracy:	±35 µm ←
Repetition accuracy:	±10 µm ←
Resolution of measurement systems:	5 µm
Minimal test point diameter:	100 µm
Contacting pressure on whole test area:	20 g - 100 g
±8 g, programmable and controlled	

Test data:

ATF-data (+EPC-data), IPC-D-356A,
IPC-D-356 (+EPC-data)

Camera system

Measuring of board orientation and board shrinkage
Resolution: 18 µm/Pixel
Lighting: Adjustable to all PCB surfaces

Measurement methods

Isolation test: 100% test by Field Measuring method,

Continuity test: 2-point measurement, test range from min. 1 Ohm

Test speed: 100 % test of board with 3000 TP / 800 nets in approx. 4.5 min. (depends on board) when using all probes (with software version V1.4.0; permanent increase of test speed by new software releases)

Features

- 100% isolation test (Standard: test without Adjacency), if required test with adjacency in different variations
- Continuity test (min. 1 Ohm)
- Adjustable and controlled pressure of probes and z-axis speed
- Multi panel test, Multi sample test
- Independent optical scanning of both product sides
- Shrinkage compensation
- Component test (resistance test)
- High voltage measurement with HV500-card
- LA test of conductor reductions (option)
- Interface to external measurement devices
- Automatic self diagnosis
- Simultaneous data preparation (dps) of a new product during test (external data preparation optional)
- Comfortable user interface under Windows NT 4.0

Environmental conditions

Temperature: 19° C - 27° C
Relative humidity: 40 % - 60 %

Energy requirements

Power: 230 V, 50 Hz
115 V, 60 Hz (option)

No compressed air

Weight: approx. 1200 kg