

Specifications

Mechanics

Table travel X, Y, Z

Work area: x= 700 mm y=700 mm optional
Resolution 5 µm, repeatability < 5 µm

Speed

All axes programmable from 0.2 to 16 mm/s
Test speed from 0.2 to 5mm/s

Measurement heads

Accuracy

0.25 % of max value

Calibration

Stored in measurement head; temperature-compensated
load cell

Optional calibration at customers side (specific tools)

Control

Computer

Single-Board PC, 1,6 GHz Dual Core processor, 4 GB RAM,
Ethernet, USB 4x frontside

Monitor

TFT flat screen monitor Min. 17"

Operating system

Windows XP / Windows 7

Printer

all Windows-compatible printers can be installed

5700C

Automatic
Large Area
Bond Tester



Additional features

Programming Automatic repeat measurements on hybrids or COB using the programmable table movement and Pattern Recognition Unit (PRU)

Evaluation Statistics such as mean value, standard deviation, trend, cp, cpk, etc. Based on SQL Databank

Export format SQL, CSV, HTML

Other Operator profile, various password levels, optional barcode readers for product identification; feedback of measured values to die and wire bonders for parameter optimisation optional

Test-Cartridge

Pulltester Cartridge



Available Pullheads:
PH100C 100 cN (g)
PH1000C 1000 cN (g)
PH5000C 5000 cN (g)

Sheartester Cartridge



Available Shearheads:
SH500C 500 cN (g)
SH5000C 5000 cN (g)

The Test-Cartridges can be changed without any tool within less than 1 minute

General

Microscope Stereoscope Leica S6, other microscopes optional

Lighting 20 W halogen spot light (optionally LED spot light)

Dimensions Height 170 cm, width 140 cm, depth 135cm; approx.500 kg

Supplies 100...240 VAC, single phase, 50/60 Hz, max. 500 VA

Connections Air 6 bar; vacuum 0, 7 bar