



MODEL 3180

KEY FEATURES

- Up to x8 parallel test sites
- Up to 9000 UPH
- Jam Rate 1/10000
- Flexible test site configuration
- Dampened contact force
- 3x3 mm ~ 50x50 mm packages
- Temperature test from ambient ~ 150 °C
- Intelligent auto retest & auto retry
- Yield monitor
- Socket auto clean function* (option)
- Two in one shuttle
- CE marked and certified

* Socket clean pad needs to be provided by customers

OCTAL-SITE FINAL TEST HANDLER MODEL 3180

The Chroma 3180 Handler is a productive pick & place system for high volume multi-site IC testing. Saving floor space, time and cost, the 3180 can increase production productivity with extreme efficiency and its innovative design. The system is configurable for single, dual, quad or octal test sites and can be upgraded to test the DUT up to 150 °C.

The Chroma 3180 handling system is also capable of handling various package sizes and types then bins them according to customer

specified test results. The system has a reliable handling mechanism, is compatible with standard conversion kits and has a streamlined automation sequence, which results in high-throughput with low jam rate results. Its precisely adjustable contact force, fine alignment positioning and various device sensors also reduces unexpected device damage and helps extend test socket lifetime while maintaining or increasing production yields.



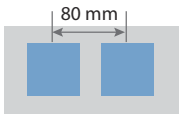
SPECIFICATIONS

Model	3180
Dimension (WxDxH)	1860 mm x 1380 mm x 2050 mm
Weight	Approx. 1300 kg
Facility	Power : AC220, 50/60 Hz Single-Phase, 10 KVA Max. Compressed Air : 0.5 MPa or higher (dry and clean air) Flow Rate : 120 L/min., constant supply
Applicable Device	Type : BGA, QFP, CSP, QFN, Flip chip, TSOP, etc. Package Size : 3 mm x 3 mm to 50 mm x 50 mm *
Contact Mode	Direct contact / Drop and Press
Interface	Standard : TTL, GPIB Option : RS232, TCPIP
Multiple Site	Octal Sites (4x2) Matrix Quad Sites (2x2) In-line Quad Sites (4x1)
Contact Area	Test Head Area : 583 mm (from socket center) Docking Height : 1100 mm (1000/1200mm option)
Index Time	0.4 sec (excluding tester communication time)
Jam Rate	1/10,000
Category	6 categories (3 auto, 3 manual)
Contact Force	Up to 120 kgf
Mounting Type	Direct mount / Side Mount
Applicable Tray	JEDEC
Throughput (Max.)	Up to 9000 UPH (Illustrated by BGA 4x6, 20x37 tray matrix)
High Temperature (Option)	Operating Range : ~ 150°C (Heating time < 30 min.) Accuracy : Contact Head ± 3 °C, Pre-heater ± 5 °C

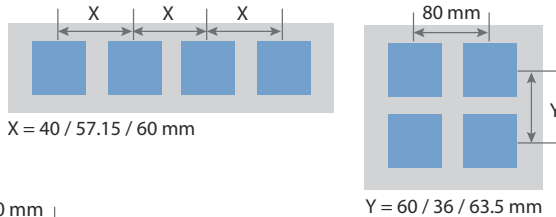
* Maximum package size may vary due to test site pitch

TEST SITE CONFIGURATION

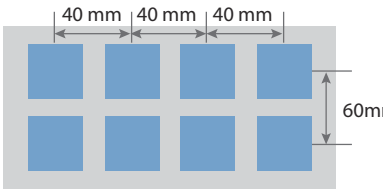
Dual-site



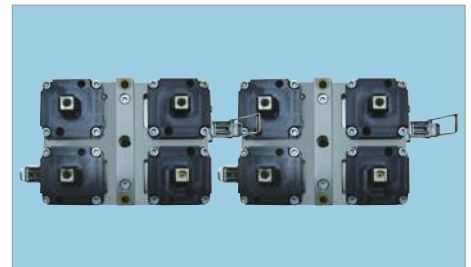
Quad-site



Octal-site



KIT CONFIGURATION




Quick Fit Kit (standard)


ORDERING INFORMATION


3180 : Octal-site Final Test Handler

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