



## TABLETOP SINGLE SITE TEST HANDLER MODEL 3111

The Chroma 3111 Tabletop Single Site Test Handler is an automated pick & place handling system ideal for small lot engineering samples and/or NPI test development parts. With its main focus at the System Level Test (SLT) platform, the 3111 handling system is capable of handling a large variety of device types with sizes ranging from 5x5mm to 45x45mm.

With the wide range of chip sizes supported by the Chroma 3111, it also enables high throughput in order to support the testing of smartphones, tablets, PC's and automotive chipsets allowing for temperature control capabilities from ambient to temperature ceilings of 125°C. Its ideal compact size and product versatility, combined with its low

cost per test site allows for expandable test applications throughout your test floor. .

To maximize productivity, the 3111 offers a remote access function, allowing the handler to be controlled from any distance and location through an internet connection. Equipped with two software allocatable JEDEC trays, the 3111 maximizes the engineering test capability saving both cost and time, doing so within a 60 cm<sup>2</sup> table space footprint. A user-friendly graphical interface (Windows™) system provides a quick and easy device setup changeover, simplifying the process and increasing its efficiency.

## MODEL 3111

### KEY FEATURES

- System Level Test Applications (SLT)
- Handler dimensions :  
600 mm (W) x 570 mm (D) x 860 mm (H)
- Test interface window of up to 200 mm (W) x 200 mm (D) of test board dimensions
- Tabletop design for smaller table space  
60 cm<sup>2</sup>
- (2) Fixed JEDEC trays
- IC package size ranges :  
5x5 mm to 45x45 mm
- Software configurable binning
- Air damper contact head
- Optimized IC force balance
- Allows for maximizing the test socket lifetime
- Protection against IC double stacking and incorrect device placement orientation
- Continuous automated re-test capabilities
- Ambient to 125°C of operational mode
- 1/3000 of jam rate
- CE marked & certified



**Chroma**

## SPECIFICATIONS

Model	3111
Temperature Range	Operation Mode : Ambient ~ 125 °C (Heating time : within 30 min.)
Dimension of Test Board	200mm x 200mm from socket center Test board height : 70mm
Dimension (WxDxH)	600mm x 570mm x 810 mm (signal tower excluded)
Net Weight	80 kg
Facility	Power : AC 220V~240V, 50Hz/60Hz, single-phase, 2.3kva Dry Air of 5.0 kg/cm <sup>2</sup> (0.5 MPa) or higher, 80L/min. constant supply
Device Type	Type : BGA series, _BGA, QFP series, QFN, Flip-Chip, TSOP Package size : 5 mm x 5 mm to 45 mm x 45 mm Thickness : 0.5 mm to 5 mm Lead / Ball pitch : 0.4 mm / 0.5 mm and above
Test Site	Single site
Jam Rate	1/3000
Tray Classification	1 category
Tray	JEDEC
Binning	128 software bins
Rotator	± 90°
Contact Force	10 kgf ~ 50 kgf (± 1kgf)
Contact Mode	Direct contact / Drop and press
Tester Interface	Standard : RS-232, TCP/IP Option : GPIB
Socket CCD (option)	CCD checks socket to prevent double stack of parts in the socket

Note 1 : 3111 alarm mail function is available by e-mail server setting.

Note 2 : All specifications are subject to change without notice.



Test Site



Shuttle



Pin1 CCD




Category


## ORDERING INFORMATION


3111 : Tabletop Single Site Test Handler

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