



## AUTOMATIC SYSTEM FUNCTION TESTER MODEL 3240

# 3240

Chroma 3240 is an innovative handler for high volume/multi-site IC testing at system level. It is capable of handling packages for various types including QFP, TQFP, BGA, PGA, etc. The handler uses pick and place technology to pick up devices from JEDEC trays, move them to the test site, then move them to the appropriate bin after test. It features a 90-degree device rotation which is required for various pin one orientations.

Chroma 3240 can test up to 4 devices in parallel at high temperature with ATC (Auto Temperature Cooling) ranging from 40°C to 125°C.

### KEY FEATURES

- Reliable high-speed pick & place handler
- Tester zero waiting time
- Gull wing package capability
- No socket damage
- Air damper for contact balance
- IC-in-socket protection
- NS-5000/6000 change kits compatible



**Chroma**

## SPECIFICATIONS

<b>Model</b>	<b>3240</b>
<b>Dimensions and Weight</b>	Dimensions : 1640 mm (W) by 1190mm (D) by 1774 mm (H) "Excluding Signal Tower" Net Weight : 800kg
<b>Power Requirement</b>	Power Supply : AC 220V , 50/60 Hz Single-phase Maximum Power Consumption : 3.0 KVA Max Controller Circuit : 3.0 KVA Max. Heater Circuit : 1.0 KVAMax.
<b>Compressed Air</b>	Dry Air of 5.0 kg/cm <sup>2</sup> ( 0.49 Mpa ) or over constant supply
<b>Vacuum Source</b>	Built-Diaphragm Vacuum Pump : Pumping Volume 100 L/min Ultimate Pressure : 100 Torr Max.
<b>Applicable Device</b>	Package Type : BGA series , $\mu$ GA, PGA, QFP series, CSP, BCC, QFN , Flip-Chip , TSOP Dimensions : 7 mm x 7 mm to 40 mm x 40 mm Depth : 0.9mm to 5mm Lead / Ball pitch : 0.4mm / 0.5mm and above Weight : 0.2g to 20g
<b>Parallel Testing Layout</b>	4 sites (Pitch 400 mm)
<b>Index Time</b>	2.1 sec (Excluding test communication time) / One site cycle time : 3.2 Sec.
<b>Jam Rate</b>	1/3000 pcs
<b>Applicable Tray</b>	Type : Input / Empty Tray : 130 mm ~ 143 mm (D) by 310 mm ~ 330 mm (W) Output Tray : 135 mm ~ 150 mm (D) by 290 mm ~ 330 mm (W) Capacity : Input / Empty Tray : Elevator with 210 mm stroke (JEDEC) Output Tray 1, 2, 3 : Elevator with 210 mm stroke (JEDEC)
<b>Categories</b>	3 Categories (Max. 128 bin signals with RS232)
<b>Contact Area</b>	Test Site Pitch : 400mm Test Module Dimensions : 400 mm x 400 mm
<b>Contact Force</b>	Max. 50 kgf ( Accuracy $\pm$ 1kgf )
<b>High Temperature (Optional)</b>	Operating Mode : Room Temperature / High Temperature Temperature Range : 40°C to 125°C (Heat-up time : Within 30 min) Accuracy : Pre-heater Buffer $\pm$ 5°C , Contact Area $\pm$ 3°C
<b>Tester Interface</b>	Standard : TTL, Optional : RS-232, GPIB
<b>Special Function</b>	Tray map fit for production analysis Universal kit design Change over time within 15 min. ECD function (Easy -edit Communication Define) for various equipment Two Tray (Color tray) mode available Continue Fail Alarm Auto Z function Yield Control (Average yield of socket) Yield Monitor (Per contact head plug) ATC (Auto Temperature Cooling) High Temperature Function
<b>Option</b>	Test Site Floating Function Ion Fan Function

All specifications are subject to change without notice.



Developed and Manufactured by :

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