

## MODEL 3110-FT

### KEY FEATURES

- Suitable for final test
- Temperature test from -40~125°C
- Support chip package size from 3x3 mm to 45x45 mm
- Up to four output trays
- Remote control operation
- Yield monitoring function
- Intelligent auto retest & auto retry
- Real-time tray status
- Able to integrated with Chroma hybrid chiller
- Support TSD control
- Best engineering platform for testing tri-temp characterization
- Max UPH : Up to 500 pcs
- Contact force control from 1 to 10 kg (option)
- Support socket temperature compensation module (STCM)
- Support system level test (SLT) (option)

## FULL RANGE ACTIVE THERMAL CONTROL HANDLER MODEL 3110-FT

The Chroma 3110-FT is an innovative pick & place system ideal for characteristics evaluation, development, and IC final test.

The system is capable of handling a vast variety of device types and sizes ranging from 3x3 mm to 45x45 mm. To further increase productivity, the 3110-FT offers an optional remote control function allowing operating the handler from any location via an internet connection. The 3110-FT also comprises soaking buffer that can improve the testing cycle time and throughput. Equipped with two auto output tray stacks and two manual output trays, the 3110-FT can maximize the loading and unloading capacity to save the cost and time all within a 1.4 m<sup>2</sup> floor space.

When integrated with Chroma Hybrid Chiller & TEC controller, the 3110-FT can control not only case temperature but also junction temperature when performing tri-temp test.

The 3110-FT can be configured to support virtually any industry standard communication interface and provide different docking options for various testers. It is also capable of supporting thermal test environments from -40°C to 125°C which ensures the durability of devices. With a user-friendly graphic interface and quick device change setup, it makes the changeover short and easy further increasing flexibility and productivity.



## SPECIFICATIONS

Model	3110-FT
Dimensions (WxDxH)	1000 mm x 1350 mm x 1900 mm (signal tower excluded)
Weight	900 kg
Facility	Power : AC200V, Single Phase, 50/60Hz, 8.8 KVA Max. Compressed Air : 0.5 MPa or higher (dry and clean air) Flow Rate : 800 L/min, constant supply
Applicable Device	Type : QFP, SOP, TSSOP, QFN, BGA Package Size : 3x3 mm to 45x45 mm Package Height : 0.5 mm to 5 mm Lead / Ball pitch : 0.5 mm / 0.4 mm and above
Category	4 categories (2 auto, 2 manual)
Contact Method	Direct Contact / Drop and Press
Contact Force	50 kgf (standard) 1 to 10 kgf, $\pm 10\%$ (optional)
Temperature Range	-40~125°C (contact head accuracy $\pm 2^\circ\text{C}$ , Pre-soak and Post-recovery buffer accuracy $\pm 10^\circ\text{C}$ )
Rotator	$\pm 90^\circ$
Interface	Standard : RS-232, TCP/IP Option : GPIB, TTL
Index Time	6 sec. (Excluding tester communication time)
Jam Rate	1/3,000

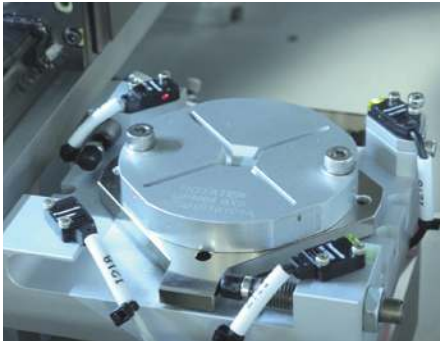
All specifications are subject to change without notice.



Loading



Pre-soak and Post-recovery



Rotator



Binning

## ORDERING INFORMATION

3110-FT : Full Range Active Thermal Control Handler

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