



THERMACORETM
P110
High Temperature
Pick & Place Test Handler



Thermacore - P110

Thermacore Series - High Temperature Capability



Our ThermoCore Series P110 High-Temperature Pick & Place Test Handler is designed for multi-functional testing and sorting, catering to diverse customer needs.

It supports low, normal, and high-temperature testing, sorting, and classification of components such as MSOP, QFN, LGA, BGA, and CSP (3x3 to 10x10 mm).

Additionally, it integrates advanced imaging systems to ensure high-quality product output.

Key Features

- Up to 6000 (8 Sites, using QFN4x4 as an example)
- High Precision ATC System, Support Temperature Range $-55\sim 150^{\circ}\text{C} \pm 1^{\circ}\text{C}$
- Equip with Top Image and 3D5S Image Detection
- Plate Changing Manipulator that ensure safety and reliability

Productivity

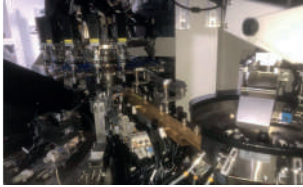
- Suitable for : DFN, QFN, LGA, CSP, SOP, MSOP, TSSOP Dimensions: 3X3-10X10
- Using RS232/TTL/GPIB Communication Interface
- Work with Window 10
- 4 Test Modes with Automatic Calibration, Pressure Calculation, Socket Stacking Detection

Specification

- Power Supply : ACC220V +/- 10%, 50/60Hz, 130A(Chiller) +45A(Sorter)
- Air Pressure : 0.4-0.7MPa
- Dimension : 2210 x 1725 x 2200mm; Dryer (Optional), Chiller(Optional)
- Stability : MTBA>60min MTTA<3min MTBF>168H

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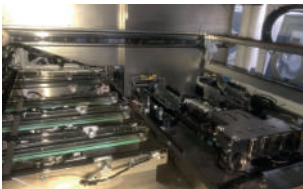
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Vibrating plate loading with top image configuration and 3D5S capabilities, optional polarity testing, offering rich configurations and powerful functions.



Cross-feeding minimizes waiting time for mechanical actions, enhancing efficiency.



The unloading structure includes a material box (one large and four small, optional) and a material tray structure, making it suitable for a wider range of scenarios.

Loading Method

: Vibrating plate loading, supporting 2 unloading modes; material box and tray plate.

Loading Nozzle

: 2x4 mode, adjustable in the X direction, independently controlled Z-axis motor, and bilateral drive mode in the Y direction

Plate Manipulator

: Clamping method ensures safety and reliability, with an automatic pull-up function during power failures.

Disk Changing Arm

: 1 robotic arm with auto lifting function in case of power failure.

Testing Institution

: Supports four test modes: single site, two sites (1x2), four sites (1x4, 2x2), and eight sites (2x4), with automatic calibration, pressure measurement calculation, and socket stacking detection.

Disk Changing Arm

: Equipped with a cleaning disk assembly, the device automatically cleans the probe after a set number of tests.

Test Station

: 1x2/2x2 sites (X Pitch 80mm, Y Pitch 60mm) or
1x4/2x4 sites (X Pitch 40mm, Y Pitch 60mm)