



# 4170-IH Film Frame Test Handler

The Map handler model 4170-IH is developed for the direct test of the leadless QFN, CSP devices after dicing on the wafer. As the device testing is on the wafer ring, and devices positioning (x y z  $\theta$ ) compensation before testing by the visual check system, the high accuracy of the devices positioning information and the suitable probe-pin contact pressure are maintained for the stable testing and high speed indexing. This new model is upgraded as a succeeding machine of the previous model 3270-IH that improved the transfer accuracy and increased the width stand load of the test section table, also able to handle the WLCSP as well as comply to multi-testing site and simultaneous (parallel) testing.

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- High throughput
- High withstand load, and high thrust table
- Expansion of the strip attachment area  
: 260(L) X 300(W) [Within  $\phi$ 300mm for WLCSP]
- LOT control by barcode/2D code reader
- Required CK change is only test socket and setting for package change
- Auto-cleaning function unit is installed to clean the socket at any desired timing
- 6 / 8 / 12 inches is possible to handle by ring CK. Precise adjustment isn't required. The CK change takes 30min to 60min.
- S2/S8 regulation compliance
- SEMI G85 compliance
- SECS/GEM compliance
- Hot temperature test is available

## 4170-IH Performance Specifications

Applicable device	QFN, DFN, CSP, BGA, BCC, LLP, WLCSP
Applicable ring sizes	6 / 8 / 12 inches
Test station	Multi-parallel
Contact method	Pogo-pin or specified contactor
Supply ring capacity	1 cassette(Wafer ring 25 pcs/8 inches, 13 pcs/12 inches)
Stock ring capacity	1 cassette(Wafer ring 25 pcs/8 inches, 13 pcs/12 inches)
Hot temperature test	50C to 125C (+/- 2C)
Size	1805(W) x 1240(D) x 1448(*H) mm include the cover *Height with signal light: 1997 mm
Weight	1500kg