

DESIGNED TO DELIVER HIGHER PERFORMANCE AND THROUGHPUT FOR ALL YOUR TESTING NEEDS.



Epson NS8000 IC Test Handler series combines significantly improved performance with high throughput to support the testing of smartphone, tablet PC and automotive chips even in the most extreme production environments. Boasting a contact force of up to 240kgf and blazing transfer, testing and sorting speeds of 13,500 chips per hour, this powerful series offers the ultimate in performance. With support for wide socket pitches and temperatures as high as 155°C, the NS8000 IC Test Handler series is the answer to all your testing needs.



ENGINEERED FOR BUSINESS

Blazing Fast Speeds

Enjoy high-speed transfer, testing and sorting of chip packages of 13,500 chips per hour with a contact force of up to 240kgf.

Extreme High-temperature Support

Test chips at temperatures as high as 155°C and easily recover from jams during high-temperature use.

Support for Wide Socket Pitches

With a layout that accommodates even wide socket pitches, conveniently test large numbers of chips, including high-frequency (RF) chips.

MODEL NO.	NS8160MS	NS8080MS	NS8080SH
Devices Handled	QFP, TSOP, CSP, WLCSP, BGA, QFN, PLCC, LGA, PGA Min. 3 x 3 to Max. 50 x 50 (Lead pitch: 0.4mm or more) ¹		
Test Mode	16-site (8 x 2)	N/A	
	8-site (4 x 2) Square 4-site (2 x 2) In-Line 4-site (4 x 1) 2-site Single		
Testing Area	264 x 149 mm		184 x 149 mm
Standard Socket Pitch (mm)	X: 30 Y: 60	X: 40 Y: 60	
Heating Method	Heating Plate		
Index Time	0.42 sec (up to 160 kgf) ²		0.4 sec (up to 120 kgf) ²
	0.58 sec (up to 240 kgf) ²		N/A
Maximum Throughput (units per hour)			
Ambient Temperature	13,500 units		
High Temperature	8,200 units		
Binning	Max. 6 bins (Auto 3, Manual 3)		
Tray Size	JEDEC (135.9 x 315.0 mm)		
Max. Contact Pressure	240 kgf		120 kgf
Temperature Accuracy	50 - 90°C ±2°C 90 - 155°C ±3°C		
Power	Single Phase 200 - 240 V AC, 50/60 Hz, 6 kVA		
Handler Dimensions (D x W x H)	1,500 x 1,860 x 2,000 mm ³		
Weight	1,090kg		

¹ Depends on socket size and socket pitch.

² Depends on the socket mounting height.

³ Excluding handle, tower light, and LCD monitor.

Compatibility of Socket Layout Kits

1. Socket Layout Kits (with heater) for NS8080HW can be used.
2. Socket Layout Kits for chamber type Handler can be used for Ambient mode test.

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Information correct as at March 2016



Our IC handler plant was classified ISO9001, the international standard of quality assurance, in July 1997.



Our IC handler plant was classified ISO14001, the international standard of environmental management system, in April 1998.

⚠ Safety Precaution | Please read associated manuals carefully before installing or using our robot products Always use products properly per guidelines in the manuals

- Please note that specifications and appearance of the product may change without notice for better performance.