Multitest Showcases Innovative Semiconductor Test Handler at Semicon China 2007

Semicon China 2007 was held at the Shanghai New International Expo Center from March 21-23, 2007. Multitest, the international manufacturer of automatic handlers used in electrical test of IC packages, displayed its innovative new semiconductor test handler system — the MT9928 at this event.

Patrick T. Flynn, president and CEO of Everett Charles Technologies (ECT) — Multitest’s parent company, attended the exhibition and introduced the MT9928 from the Multitest booth.

Flynn said, “High yield, test accuracy, temperature control accuracy and use of the latest test technologies are very important factors for semiconductor test handlers. Multitest is committed to maximizing these performance aspects of its products and creating satisfied customers.”

The MT9928 model showcased by Multitest offers up to eight parallel test sites, can test 28,000 units per hour (UPH) and supports changeover between different types of unit under test (UUT) packages in very short time.

MT9928 can test semiconductor devices in a temperature range of -55° to 175°C with up to ±2°C of temperature control accuracy. During the test, the temperature stability of devices can reach ±0.5°C. In addition, MT9928 can synch the thermal levels between components under test and the temperature cavity more quickly, reducing “dipping” time when performing test. For large-size components like SO300 and SO430, MT9928 provides greater test speed (2x or more) than typical test handlers.

The MT9288 supports various standard SOT, SO, MLF and TO packages from 1.2 x 2 mm to 15 x 21 mm in size and down to 0.4 mm component pin pitch. Additionally, the system features a popular modular design. Customers can choose to equip systems with loader, unloader and a variety of optional features. Additionally, they can select the
dipping driver of the MT9918, the predecessor to the new MT9928 system, and also select from accessories such as a bowl-feeder module, etc. based on their needs.

As the Chinese economy quickly expands, the China semiconductor market is increasing proportionally. In 2006, China semiconductor revenues hit 100 billion Yuan. Flynn said, “Multitest highly values the China market and continues to provide high performance-to-price products and solutions for our customers here.”

At Semicon China 2007, Multitest exhibited a wide range of IC handler products and solutions, including the MT9510 pick-and-place handler and MT93XX gravity handler.

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