

**Launching the Industry's Fastest PCB Pattern Inspection System  
Dainippon Screen's next-generation product line offers  
improved inspection and enhanced ease of operation.**

The Media And Precision Technology Company (President: Kyohei Fujisawa) of Dainippon Screen Mfg. Co., Ltd. (Headquarters: Kyoto, Japan) has developed the innovative PI-9000 Printed Circuit Board Pattern Inspection System. Scheduled for launch in September 2008, this system offers the industry's fastest inspection speed\*1.

Recently, the printed circuit board industry has achieved significant progress by developing higher-density and higher-definition pattern creation. In turn, this has sparked the development of mobile phones and digital appliances featuring enhanced functionality and low-profile designs. Moreover, the trend toward higher density and higher definition has been reflected not only in ultra-high density package circuit boards but also in general-purpose circuit boards. As a result, inspection systems for printed circuit boards must now exhibit a degree of precision, quality, and productivity that far exceed that of conventional systems.

The new PI-9000 now provides the industry's fastest inspection speed of approximately 150 sides per hour\*2. As the successor to the PI-8000 Series, which has attained a prominent position in the industry, the PI-9000 now situates at the forefront of the company's next-generation lineup of printed circuit board pattern inspection systems.

To meet the needs of the global printed circuit board industry, the PI-9000 has been designed with four inspection modes. This versatile system flexibly accommodates a variety of circuit boards and can inspect a minimum line width of 24  $\mu\text{m}$ . The PI-9000 also contributes to a remarkable improvement in work efficiency in the areas of pre-inspection preparation and post-inspection defect verification. The PI-9000 reduces total inspection time by approximately 30 percent, delivering a considerable improvement in productivity.

Having strategically positioned the new PI-9000 in response to the rising global demand for printed circuit board pattern inspection systems, Screen will promote this product in China, Taiwan, and other steadily growing international markets in addition to the Japanese market. With the goal of attaining increased share of the global market, Screen intends to launch a string of new printed circuit board pattern inspection systems as part of its next-generation product line.

\*1 As of June 2008, according to preliminary results from Dainippon Screen

\*2 When inspecting 610 x 457 mm (24.0" x 17.9") printed circuit boards in 24  $\mu\text{m}$  inspection mode (improvement of approximately 25% over conventional Screen systems)

\* This system will be exhibited at the JPCA Show 2008, the 38<sup>th</sup> International Electronic Circuits Exhibition taking place at Tokyo Big Sight in Ariake, Tokyo, from June 11 to 13.

**Date sales are expected to commence:**

September 2008

**Suggested retail price in Japan (before tax):**

60 million yen

**Expected annual sales (first year):**

50 units



**PI-9000**

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