

Sales of the new SU-3100 single-wafer cleaning system commence Up to 8 built-in chambers and superior 300 wafer per hour productivity

The Semiconductor Equipment Company (President: Takashige Suetake) of Dainippon Screen Mfg. Co., Ltd. (Headquarters: Kyoto, Japan) will commence sales of the new SU-3100 single-wafer cleaning system for 300 mm wafers in December 2006. This cutting-edge system boasts unique new technology that significantly enhances its cleaning effectiveness and productivity.

In the increasingly miniaturized semiconductor industry, mass production of devices with line widths as narrow as 65 nm is already underway, and development of equipment for the 45 nm processing expected to start in 2008 is proceeding at a lively rate. For these reasons, semiconductor manufacturers, who are concerned about the cleaning processes that make up nearly one fourth of all semiconductor manufacturing processes, are clamoring for more effective and productive cleaning equipment. The range of needs that must be met by single-wafer cleaning equipment, in particular, increases each year.

The new SU-3100 is designed to accommodate these global trends in the semiconductor industry. A refinement of the technology in the proven SU-3000, the new SU-3100 boasts higher wafer transfer speeds that enable improved cleaning performance and productivity. Its new platform, which can accommodate up to 8 built-in chambers, and its newly developed high-speed wafer transfer system make it possible for the SU-3100 to process up to 300 wafers per hour. SCREEN has also developed 2 new types of multi-process chambers for different uses, making the SU-3100 the perfect tool for a wide variety of customer needs, including the high-level processing required for today's more highly detailed patterns. The SU-3100 also features the new DDI (Dynamic Direct Injection) mixing system, which enables high-precision flow control and makes the SU-3100 suitable for today's increasingly diverse processes, as well as improving processing efficiency. What's more, depending on the intended use of the equipment and chemical solutions required, customers can even select an all-in-one system that eliminates the need for a separate chemical solution cabinet.

The release of the SU-3100 strengthens SCREEN's equipment lineup and ensures that the company will have the flexibility to meet the increasingly rigorous and diverse needs of today's customers, as well as offering an opportunity for SCREEN to increase its market share both in Japan and overseas.

* The SU-3100 will be exhibited at the SCREEN booth at SEMICON Japan 2006, which will take place at Makuhari Messe in Chiba, Japan between December 6 and December 8.

Date sales are expected to commence:

December 2006

Suggested retail price in Japan

(before tax):

Approximately 300 million yen
(price may vary with selected specifications)

Expected sales (fiscal year 2007):

50 units



SU-3100

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