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Launch of a Wafer Cleaning System for Green Devices *Full-Scale Entry into the Environmental Technology Market Sector, Including LEDs and Power Devices*

Kyoto, Japan -- June 24, 2010 -- Dainippon Screen Mfg. Co., Ltd. announced today that it has developed the CW-1500 compact wet station, a batch-type automatic cleaning system suited to the manufacturing of eco-friendly products known as “green devices.”* Sales of the system will commence in July 2010.

In recent years, green devices, technologies and products developed to mitigate environmental impact, have been the focus of keen attention in all fields of the electronics manufacturing industry. Demand is increasing rapidly for LED lighting, as well as power devices, as energy-saving devices that increase power conversion efficiency. Familiar examples of power devices are the inverters used in air conditioners, fluorescent lamps, trains, and hybrid cars.

In response to this worldwide trend, Screen launched the FRONTIER project to develop manufacturing equipment for the green device market sector. Through this project, Screen will expand its line of manufacturing systems for wafers 200 mm and smaller and introduce systems suited to high-variety low-volume production, a critical requirement in the market for green device manufacturing systems.

The launch of the CW-1500 compact wet station, the first product to result from the FRONTIER project, will mark Screen’s full-scale entry into the green device market sector. In developing the system, Screen utilized cleaning technologies and expertise cultivated in the development of semiconductor manufacturing equipment, a field in which it has a track record of thousands of installations worldwide. Through the uncompromising pursuit of cost performance by means including the narrowing down of system functions, Screen achieved a reduction in footprint to approximately one-third that of its previous batch-type automatic cleaning system as well as a low cost. Furthermore, since the CW-1500 delivers the productivity necessary for the mass production of green devices, it is suitable for wide-ranging applications, from the replacement of conventional manual cleaning to R&D and high-variety low-volume production.

Screen plans to expand the product line for the FRONTIER series by following the CW-1500 launch with a series of market introductions of equipment suited to the manufacturing of green devices. Moreover, through the development of this equipment, Screen will step up its activities to achieve a low-carbon world.

* Green device

“Green device” is a collective term for eco-friendly electronic device technologies and products that achieve CO₂ emissions reduction, such as LEDs, solar cells, secondary cells, and power devices.



Compact Wet Station CW-1500

Please download the photo from
<http://www.screen.co.jp/press/nr-photo/indexE.html>