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Dainippon Screen Launches a brand new laser plotter “Raster Graph RG-8500”

Kyoto, Japan, March 7, 2003 - Dainippon Screen Mfg. Co., Ltd. (Head office Kyoto Japan, President Akira Ishida) has developed and will launch in worldwide market a brand new laser plotter, “Raster Graph RG-8500” for PWB manufacturing.

The “RG-8500” represents the latest generation of the Raster Graph series. And it is a high-end model designed for creating the high-precision mask required for BGA, CSP and similar packages, increasing the share in the PWB market along with significant spread of digital devices such as computers, mobile phones and digital home appliances.

The “RG-8500” can draw the patterns with 1.0 micro meter feed pitch. It also can rasterize data from CAD/CAM systems to output high-precision patterns at a high speed using our unique multi-channel array of laser beams. An optional 600-rpm, high-speed setting is available to provide unbeatable productivity - up to double throughput of the previous model.



Raster Graph RG-8500

[Features]

1. Easy importing of RS-274X, ODB++, Gerber base formats is possible with the integrated CAM system. This also allows creation of layout information on CAD/CAM systems.
2. Quantization errors that could arise after data format conversion are reduced by computing plotting data in units of 0.01micro meter. This makes it possible to reproduce highly accurate images using the CAD data.
3. High-speed output with optimum plotting precision is possible for each plotting pattern.
4. Speeding up the film transport system and the adoption of a new loading mechanism achieves a high-performance dimensional stability without applying any stress to the film.
5. The recording drum is manufactured with an enhanced construction that enables better film adhesion and even higher precision operation.
6. Both the initial investment and running costs are kept to a minimum by the use of long-life semiconductor lasers featuring low power consumption.
7. Waiting time in the output section is eliminated by using the vector file areas and converting up to four data files in parallel during plotting.

* The optional 600-rpm high speed setting will be on the market in July, 2003.

* The "RG-8500" will be shown at CPCA show 2003 held in Shanghai, China between March 11 and 13.

<For further information, please contact>

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