

Dainippon Screen develops new single-pass inkjet head assembly technology High-precision, compact head supports both high quality and high productivity

The Media And Precision Technology Company (President: Kyohei Fujisawa) of Dainippon Screen Mfg. Co., Ltd. (Headquarters: Kyoto, Japan) has recently developed new single-pass compact UV inkjet head assembly technology that makes consistent, high-quality output a reality.

Print on Demand (POD) enables the output of small lots of varying materials. There has been an increasing demand in recent years, not only in the commercial printing field, but also in specialized fields such as label, building material, and package printing, for higher quality Print on Demand output. Interest in UV inkjet printers that can print directly onto materials other than paper continues to increase. Technology that supports consistently high precision, quality, and productivity is essential to expanding the capabilities of UV inkjet printing.

Dainippon Screen, continues to pioneer new technologies and has been working to improve the results you can achieve with inkjet in a number of ways. Screen's development of high-quality compact 600 dpi UV inkjet head assembly technology enables consistent, high-quality output. Since this new head assembly is more compact, the time lag between the application of the UV ink droplets and UV drying is shorter. This enables sharp printing, since it reduces both the spread of ink and the likelihood that a fringe will be generated. What's more, the high-quality 600 dpi printing improves the legibility of small text and reduces the appearance of moiré in extremely fine lines. The head assembly also features a newly developed ink circulation system that circulates the ink through the head, ensuring that the temperature of the head and the ink remain consistent. All of these elements combine to ensure a higher level of both printing quality and productivity.

Dainippon Screen looks forward to creating products that use this newly developed UV inkjet head assembly technology and advancing the types of inkjet printing functions that can be offered. Screen intends to strengthen its existing brand and create new brand recognition in a printing industry that is using more and more POD. Screen will also continue to present information on new ways of doing business in the printing industry, while working towards a shared future with its customers under the theme "Creating a Future in Print".

* This technology will be introduced at the drupa 2008 International Trade Fair, which will take place in Düsseldorf, Germany between May 29 and June 11.

Overview of Screen's drupa exhibit

drupa, which is one of the printing industry's four big trade shows (the other three are IPEX, in the United Kingdom; Print, in the United States of America; and IGAS, in Japan) takes place in Germany once every four years. The drupa 2008 International Trade Fair will be the largest drupa ever, with over 170,000 square meters of exhibition space and more than 1,800 companies from over 45 countries exhibiting their products. More than 400,000 are expected to attend.

Dainippon Screen's booth (Hall 8b, Stand No. A61) will be based around the theme "Creating a Future in Print". The printing industry is undergoing a paradigm shift to more tailored printing, and Screen will showcase not only products suitable for mass production, but also cutting-edge products that can output personalized items. One highlight among the new products is EQUIOSNET, a new printing business solution that is perfect for POD workflows.