

Mimaki introduces environmentally-friendly high solvent ink: Eco-HS1 ink.

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A newly developed low-odor, environmentally-friendly solvent ink prevents media shrinkage, enhances color reproduction, and uses a new light black ink.

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Mimaki Engineering co., Ltd., a leading manufacturer of wide-format inkjet printers and cutting machines for the sign/graphics, industrial markets and textile/apparel, is pleased to announce its new generation of high solvent ink. This new ink has a lower odour and prevents media shrinkage due to solvent migration, and has enhanced colour reproduction by using a new light black ink.

There are two types of solvent ink on the market: one is high or aggressive solvent ink which features fast-drying and strong ink bonding on the media. The other is a medium durability, environmentally friendly light or eco-solvent ink which does not include toxic substances like Cyclohexanone. Mimaki's JV5 series can use both the high (aggressive) solvent ink: HS1 and the eco-solvent ink: ES3. The reason is to meet the various requirements in outdoor signage, as well as indoor uses such as aqueous-based dye sublimation and pigment ink for photographic applications. To make the most of ultra-high speed printing of the JV5 series, HS ink is the most suitable due to its faster drying time, which is much faster than eco-solvents.

The newly developed Eco-HS1 ink has no toxic ingredients such as Cyclohexanone and NMP, which vastly improves the work environment and health conditions. Also the inks will dramatically reduce odour to the same level of SS21 ink which is used for JV33 series. Innovations like expanded colour gamut, improved Magenta, a newly added light black ink, provides a smoother gradation and a more glossy finish. In addition to these attributes, shrinkage of media (especially thin self-adhesive PVC) is prevented. Eco-HS1 ink is suitable for fleet graphics using thin self-adhesive PVC where prints are exposed to intensive mechanical stress or abrasion. Improvement in the permeability of the ink on the media due to residual solvents helps shorten job turnaround time from printing to the next job. UV and water resistance is further enhanced by an improved Yellow ink.

"Our new high solvent has both the features of a high solvent and eco-solvent ink which dramatically reduces odour, toxins, and media shrinkage. Now customers are not forced to choose unacceptable alternatives. Users now don't have to sacrifice print speed and durability due to environmental restrictions. Eco-HS1 ink represents new generation environmentally-friendly high solvent ink." says Mr. Isao Tabayashi, Manager of IM (Ink and Media) Division.

### Profile of Mimaki Engineering Co. Ltd.

Mimaki Engineering is a leading manufacturer of wide-format inkjet printers and cutters for the sign/graphics, industrial products and textile markets. With innovative inkjet and cutting technologies, Mimaki supports **On-Demand Digital Production** in various industries. Mimaki is listed on JASDAQ Securities Exchange, Inc. from Mar. 2007.