

MUTOH VALUEJET 1638X

If you are at Sign & Digital UK (NEC, Birmingham, April 29 to May 1), pop along to the Colourgen stand. The company will be showcasing Mutoh's latest ValueJet wide format printers for commercial print, signage, print to cut and dye sublimation applications, including the new ValueJet 1638X.

This 64" high speed sign printer has been developed for top quality output and is targeted at long term outdoor and indoor sign and display applications. The printer integrates a newly developed mainboard allowing faster data communication and processing as well as advanced print automation features thanks to its 'Intelligent Interweaving' and new DropMaster technology.

The ValueJet 1638X's production print speeds start at 10 square metres per hour at 1080 x 1440 dpi and go up to 15, 20, 29 and 36 square metres per hour, the latter still at 720 x 720 dpi.

The 1638X can be configured with Mutoh Eco Ultra inks, available in 220 ml and 440 ml cassettes, as well as Universal Mild Solvent – UMS – available in 440 ml cassettes and litre bottles, for use with Mutoh's bulk ink system.



HOW CAN IT HELP MY BUSINESS?

1. The new generation Universal Mild Solvent (UMS) inks have been developed specifically for Mutoh's roll to roll sign and display printer portfolio. The inks offer an outdoor UV resistance of up to three years without lamination. They are virtually odour free and do not require any forced ventilation – being fixed and dried at regular heating temperatures and suited for both high quality and high speed printing. They promise unrivalled colour gamut and a unique gloss preservation.
2. Compact and robust, the dual head printer is suited for the production of long term outdoor and indoor prints on a wide range of uncoated and coated substrates including posters, backlit signage, wall coverings, point of sale displays, fine art reproduction, vehicle graphics, stickers and much, much more.
3. The device incorporates two micro piezo printheads in a staggered configuration. These allow increased print speeds with high image quality. The heads fire ink droplets as small as 3.5 picolitres up to drop sizes of 35 picolitres, and ensure extremely precise dots and consistency for high quality production performance.
4. Advanced automation features make the device easy to use. For instance, Mutoh's Intelligent Interweaving print technology facilitates the process of multi-pass printing, eliminating or reducing banding to an absolute minimum, whilst constant print quality is effortless from proprietary DropMaster technology. DropMaster is a print automation technique which eliminates the need for time consuming media dependent head adjustments. Knowing the media thickness and consequently the drop-throw distance between print-head and media surface, DropMaster automatically recalculates and adjusts the uni/bi-directional fire timings. It does this regardless of resolution and print speed.
5. A variety of speeds and resolutions depending on what you need to output, with quality up to 1080 x 1440 dpi.

Speed options

10.0 m² per hour
15.0 m² per hour
20.0 m² per hour
29.0 m² per hour
36.0 m² per hour
48.0 m² per hour
94.0 m² per hour

Resolution

1080 x 1440 dpi
720 x 1440 dpi
720 x 1080 dpi
720 x 720 dpi
720 x 720 dpi
360 x 720 dpi
360 x 360 dpi

For...

High quality, for output with intricate details.
Quality for photo quality output.
Quality production for small size print to cut stickers.
Production for standard production output.
Speed Production for speedier production output.
Billboard for billboard production.
Maximum speed for sprint speeds and super fast output.

WHAT YOU NEED TO KNOW...

- Technology: Drop on-demand micro piezo inkjet.
- Printheads: Two (staggered).
- Nozzle configuration: 180 nozzles x eight lines per head.
- Drop mass range: 3.5 to 35 picolitres.
- Media width: 900 mm to 1625 mm.
- Maximum print width: 1615 mm.
- Power consumption: During printing – 650 W; stand by – 45 W.
- Footprint (wxdxh): 2698 x 885 x 1261 mm.
- Weight: 221 kg.