MUTOH

Creation, we make it happen...

ValueJet 1614

A versatile high performance printer for durable graphics

- ❥ *Durable graphics on coated and uncoated substrates up to 1625 mm (63.97") wide*

- ❥ *Prints full-colour posters, banners, backlit panels, POS displays, notices, signs and stickers*

- ❥ *Impeccable print quality every time with Mutoh intelligent interweaving technology (i²)*

- ❥ *Rapid return on investment thanks to versatile performance and attractive price*

- ❥ *Easy to use and compact, with eco-inks for problem free printing in normal environments*

- ❥ *Print speeds up to 18 m²/h*

The printing quality breakthrough

ValueJet 1614

ECO ultra

Maximum Media / Print Width

Maximum media width : 1625 mm (63.97") / Maximum print width : 1615 mm (63.58")
Media thickness: up to 1 mm (used media does not cockle and/or does not have large fibres)
Maximum recommended 0.3 mm

Inkjet Technology

Incorporates new generation piezo drop-on-demand variable drop 1440 dpi print head (8 lines of 180 nozzles). Each colour of the CMYK ValueJet 1614 is monitored by two nozzle rows. Drop size range: 3.5 pl – 21 pl. Ink consumption : average of 8 ml/m^2 on uncoated PVC.

Resolutions / Print Modes

1440 x 1440 dpi, 1440 x 720 dpi, 720 x 720 dpi, 540 x 720 dpi / 12 Pre-defined print modes
i^2 inside: Ink is laid down in carefully optimized wave forms. Printing with i^2 saves time and trouble while producing outstanding results.

Inks

ValueJet 1614 accepts 440 and 220 ml Eco-Solvent Ultra ink cassettes. Mutoh Eco Ultra inks are based on non aggressive solvents. No need for forced ventilation. Inks can be used for graphics on low-cost uncoated PVC, banner and soft-sign materials as well as for coated substrates. Prints are UV and water resistant for up to three years oudoors [1]. Apart from outdoor applications, ValueJet 1614 is also an excellent choice for durable photo-realistic prints for indoor use.

[1] For fleet, floor graphics or other applications where prints are exposed to intensive mechanical stress or abrasion, lamination is recommended.

Performance

Typical production speeds on self-adhesive uncoated PVC (vinyl) : up to 8.6 m^2/h
Typical production speeds on banner media and soft sign textiles : up to 15 m^2/h
Top speed : 18.2 m^2/h

*: All speeds indicated are at 720 x 720 dpi. Mentioned speeds are real time measurements for true production set-ups using 1615 mm print width.

Media Handling

Handles sheet and roll media - one paper scroller standard included (2" & 3" compatible) - Roll media diameter : 150 mm
Optional unwinding/winding systems:

Tension winder system with tensioning mechanism max. load 30 kg

Unwinder / winder 100 system with tensioning mechanism max. load 100 kg

Media Conditioning / Drying

ValueJet 1614 incorporates three heating elements for media acclimatisation, ink fixation and drying of the prints.
Heating elements are individually controllable (30 – 50° C)

Network connection

TCP/IP – Ethernet 100 base-TX / 10 Base-T

Environmental Conditions

Temperature : recommended 20°C - 30°C with Δt: max. 2°C/h
Relative Humidity : 40 % - 60 % (no condensation) with ΔRH: max. 5% RH/h

Dimensions

Dimensions (excl. Winder): (L x W x H) 2698 x 845 x 1600 mm / weight: 182 kg.

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