

Mutoh's ValueJet Hybrid roll-to-roll & rigid digital inkjet printer is the ideal partner for start-up companies as well as established print businesses wanting short run production of roll prints and panel creation for close viewing distances. It is the versatile, economic option that reduces impact on the environment.

| Printer Specifications | | |
|-------------------------------------|-----------------|--|
| Technology | | Drop-on-demand Micro Piezo Inkjet Technology Variable drop mass output between 3.5 ng and 15.5 ng |
| Print Resolutions | | 540 x 720 dpi, 720 x 720 dpi, 1440 x 720 dpi, 1440 x 1440 dpi |
| Maximum Media Width - Rigid & Roll | | 1625 mm |
| Maximum Print Width - Rigid & Roll | | 1615 mm |
| Speed Indication | | Rigid up to 8 m ² /h (540 x 720 dpi) Roll up to 9 m ² /h (720 x 720 dpi) |
| Rigid Media | Thickness | Range : 0.01 - 10 mm |
| | Weight | Maximum load: 5 kg |
| Roll Media | Thickness | Recommended: 0.01 - 0.3 mm Up to 1 mm (no long fibres, no cockling) |
| | Diameter / Core | Maximum 150 mm / 2" or 3" |
| | Weight | T-winder30 + roll media holders - maximum 30 kg Unwinder/Winder 100 - maximum 100 kg |
| Colour Channels | | 8 colour channels - 4 colour output |
| Inks | | Bio-Lactite inks - 4 colours CMYK |
| Ink Capacity | | 2 ink packs of 880 ml per colour |
| Head / Nozzle Configuration | | 180 nozzles x 8 lines = 1440 nozzles |
| Print Modes & Panel Control Options | | Uni & Bi-directional output, Intelligent Interweaving (i ²), Origin Control |
| LCD Display | | Backlight LED - 1 line x 20 characters |
| Interface | | TCP/IP Ethernet 100BASE-TX/10BASE-T |
| Memory | | 128 MB DIMM (SDRAM) |
| Dual Drying System | Rigid | Integrated heated air-knife system [130 – 190°C] |
| | Roll | Pre-Heater, Fixer & Dryer : [30 – 50°C] |
| Environmental Conditions | | Temperature 20 – 32 °C (Δt: max. 2° C/h) Humidity 40 – 60 % (ΔRH: max. 5% RH/h) (no condensation) |
| Space Requirements | | 2800 x 3000 x 1300 mm |
| Utilities | | Power: max. 3150 W - 100-120V / 220-240V, 60/50Hz Compressed Air: 0.2 MPa – 150 L/min Required Quality grade: ISO 8573-1 1.1.2 to 1.6.2: 2001 |
| True Power Consumption | | Air knife heating OFF (roll) During printing: ≈ 600 W / Warming up: 1.400 W Air knife heating ON (rigid) During printing: 3.150 W / Warming up: 2.300 W |

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ValueJet Hybrid

A versatile high definition printer



64" (1625 mm) rigid and roll-to-roll printing on a wide range of uncoated substrates



Extensive colour gamut and excellent image durability from renewable resource corn-based inks



Reliable high quality printing with Mutoh's Intelligent Interweaving print technology



No daily printer maintenance required - same ease of use as with Eco Solvent inks



No air filtration required



ValueJet Hybrid

> 1608 Hybrid Printer



Using Mutoh's Bio-Lactite corn-based inks, the ValueJet 1608 Hybrid printer delivers high quality prints on a wide range of uncoated rigid materials (acrylic glass - PMMA, aluminium sandwich board, foam board, cardboard, ABS, polycarbonate - PC, polypropylene - PP, etc...) and on uncoated flexible substrates (non-PVC & PVC based self-adhesive media, recyclable fibre-based paper, banner, polyethylene - PET, polypropylene - PP, etc...).

The ValueJet Hybrid is designed for start-up companies as well as established print businesses wanting short run production of roll prints and panel creation for close viewing distances. It is the versatile, economic option that reduces impact on the environment.

Where customers demand "green output" on recyclable media and where the challenge is to achieve high quality direct print images on "exotic" media not typically intended for inkjet printing, the ValueJet Hybrid is the obvious choice.

Sustainability

The Mutoh ValueJet Hybrid has a broad 'green' focus; it represents a print concept that reduces the entire environmental footprint of daily production. Rather than being petro-chemical based, Mutoh Bio-Lactite inks are 50 % from a renewable organic resource – corn. Mutoh's breakthrough i² Intelligent Interweaving technology enables first-time right and fit-for-purpose impeccable print quality. The i² technology increases efficiency and productivity in your print business and avoids media waste caused by "trial & error printing". In addition, the wide media compatibility ensures you can print onto the low-cost, environmentally friendly media of today and tomorrow.

Intelligent Interweaving technology

Mutoh i² Intelligent Interweaving technology makes it easy to select the optimum print mode, and predict how long printing will take. Predictability, reliability and consistent quality from Mutoh i² printing technology brings you satisfied customers, profitable printing and repeat business. Learn more about Intelligent Interweaving at www.mutoh.eu/interweaving.

Inkjet Technology

A new generation variable drop "wide model" 1440 nozzle print head delivers high quality outputs up to 1440 dpi. Each colour of the CMYK ValueJet Hybrid is monitored by two nozzle rows.

Speed / Performance

Using Bio-Lactite inks, Mutoh's ValueJet Hybrid printer achieves speeds on rigid media up to 8 m²/h and on roll media up to 9 m²/h.



Unique Media Drying Concept

Unique media drying systems help to reduce your energy consumption. Three conventional heating zones inside the printer body are typically used to heat roll media from underneath. For rigid substrates and for insulating roll media such as polypropylene, Mutoh proprietary rapid response heated air knives deliver instant heating from the top. As a result, it becomes possible to print onto "exotic" media and there is no need for extra external drying equipment.



Roll & Rigid Media

With front & rear roller tables, the printer accommodates rigid materials up to 10 mm thickness with a maximum weight of 5 kg. Automatic media thickness detection simplifies set up.



For roll media the ValueJet Hybrid can be equipped with a tension winder 30 system taking media rolls up to 30 kg or a heavy-duty motorised unwinder / winder 100 system for media rolls up to 100 kg. Conversion from rigid to roll mode and vice versa only takes a minute.



Easy-to-use Ink Packs

The machine offers 8 ink channels (2x4 CMYK). Inks are available in 880 ml bulk ink packs, resulting in an ink autonomy of 1760 ml per colour.



Bio-Lactite inks

- Wide colour gamut
- Unique media gloss preservation
- Multi-purpose inks with roll-to-roll and rigid media compatibility that challenge UV inks
- Easy to use and rapid drying
- Allow vehicle wrap applications and 3D thermal/vacuum deformation
- 50 % based on a renewable non-petrochemical resource, corn, to reduce environmental impact
- UV durability up to 2 years, without lamination*
- No daily printer maintenance required – same ease of use as with Eco Solvent inks

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

Regular Office Printer

When printing with a ValueJet Hybrid using Bio-Lactite inks, no harmful VOCs are released in the working environment. As a result, there is no need for forced ventilation.

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