MUTOH

ValueJet
1324 & 1624

High quality printers for durable graphics

- Most powerful ValueJet Eco printers ever, featuring new head technology

- Two models : ValueJet 1324 – 54″ (1371 mm) & ValueJet 1624 – 64″ (1625 mm)

- Increased print speeds & improved print quality

- Proven technology plus a new set of innovative comfort features

- Impeccable print quality every time with Mutoh Intelligent Interweaving print technology (i²)
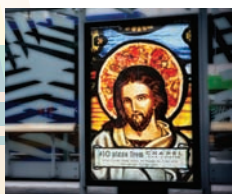
The printing quality breakthrough

Money-making Flebibility !

Targeted at the sign and display market, Mutoh's second generation ValueJet 1324 & 1624 wide format printers are the fastest ValueJet Eco printers ever. The new members of the popular ValueJet lineup will appeal to established businesses as well as to starters. Incorporating the well-known & proven Mutoh ValueJet design features, these new printers have a revolutionary drop-on-demand 1440 nozzles print head on board. The new head delivers a stunning performance (up to 29 m²/h) as well as improved print quality at higher print speeds. Apart from new head technology, the newcomers also incorporate a set of innovative design features, such as an automatic sheet-off mechanism, a new easy access keyboard and a tiltable ink cassette holder. The new machines will deliver the highest level of user comfort and best-in-class print production efficiency available on the market.

The CMYK ValueJet 1324 (VJ-1324) & ValueJet 1624 (VJ-1624) printers are suited for the production of long term outdoor applications : full-colour posters, banners, backlit singage, POS displays, external notices for buildings, production plants and construction sites as well as adhesive signs and stickers. Apart from outdoor applications, the ValueJets are also an excellent choice for durable photo-realistic prints for indoor use.

Easy to install, operate and maintain, the machines utilise Mutoh Eco Ultra inks, making them suited for operation in any working environment. The ValueJets incorporate Mutoh's award-winning Intelligent Interweaving print technology (i²) offering predictable and repeatable output quality.

The new ValueJet 1324 & 1624 printers will deliver you money-making flexibility for many years to come !

Revolutionary 1440 dpi Print Head on Board

A new variable drop piezo print head is at the heart of the VJ-1324 / 1624's stunning performance. This 1440-nozzle head comprises four colour sections. Each colour section has 360 nozzles, or two 180 nozzle rows per colour. Because all colour sections are united in one head, there is no need for time-consuming head-to-head calibration routines.

The print head is capable of producing ink drops ranging from 3.5 pl to 35 pl. Bottom line, it can produce a wider range of ink dots, which are moreover jetted at a much faster speed compared to other print heads on the market. The result is faster output speeds and moreover a much better print quality at higher output speeds.

The new print head offers five different print resolutions up to 1440 dpi, including a new 720 x 1080 dpi print mode, to produce top quality graphics with vibrant and crisp colours, flawless solid colours and unrivalled smooth gradations.

Stunning Performance

Top speed of the VJ-1624 amounts to 29 m²/h. For the VJ-1324, top speed is 27.9 m²/h.
Five different resolutions can be addressed : 540 x 720 dpi, 720 x 720 dpi, 720 x 1080, 1440 x 720 dpi and 1440 x 1440 dpi. The new ValueJet 1324/1624 printers incorporate pre-defined print modes which enable the ValueJet operator to easily select the appropriate settings for the required speed / quality. Experienced users can also set up print mode parameters to their satisfaction.

The printers offer you a wide range of print modes and speeds. The table below lists the most popular ones with which impeccable printing quality can be obtained for the intended viewing distance.

ValueJet 1324

Print Mode (dpi)	Passes / Scans	Viewing distance	Print speed in m²/h
Quality production - 720 x 720	8	Less than 1 m	5.9
Normal production - 720 x 1080	6	Between 1 m and 2 m	7.9
Speed production - 720 x 720	4	More than 2 m	11.8
Top Engine speed - 360 x 720	2	To be judged on individual basis	27.9

ValueJet 1624

Print Mode	Passes / Scans	Viewing distance	Print speed in m²/h
Quality production - 720 x 720	8	Less than 1 m	7.5
Normal production - 720 x 1080	6	Between 1 m and 2 m	10
Speed production - 720 x 720	4	More than 2 m	14.5
Top Engine speed - 360 x 720	2	To be judged on individual basis	29

Optional Spectrophotometer

The new ValueJet printer models can be equipped with Mutoh's optional SpectroVue VM-10 spectrophotometer. Directly attachable to the print head carriage or shuttle of the printer, the VM-10 allows monitoring colour drift over time, from job-to-job or even within a large job. The VM-10 can also be used to build ICC colour profiles and linearization files, in combination with supporting software.

Intelligent Design Features for Extra User Comfort

The ValueJet 1324/1624 integrate a newly designed keyboard with easy & logical layout as well as an automatic cutting function to sheet off finished prints. The printers have special ink subtanks enabling the user to remove empty ink cassettes & load new ones during printing, without any interruption of the printing process. The ValueJet 1624 includes a tiltable ink cassette holder to save space & enable the use of different ink volumes. Both printers include Mutoh's well-known i² technology saving you time and trouble whilst producing outstanding results.

Eco Ultra Inks for Graphics Creating a Lasting Impression

The Eco Ultra inks from Mutoh are based on non-aggressive solvents. As they do not spread any harmful VOCs in the working environment, there is no need for forced ventilation.
Eco Ultra inks are Mutoh's third generation of eco inks featuring improved ink fixation, better drying, higher print speeds, and improved scratch resistance. The ValueJet 1324 printer accepts easy-to-use 220 ml ink cassettes, whereas the VJ-1624 accepts 440 and 220 ml Eco Ultra ink cassettes.

Prints made with Mutoh's Eco Ultra inks are UV and water resistant for up to three years outdoors*.
> *: For heavy-duty applications where mechanical stress is involved (floor & vehicle graphics), lamination is required. Stabilisation is required prior to lamination.

Wide Media Compatibility

The VJ-1324/1624 printers can handle 2" and 3" rolls. To cope with the higher print speeds and in view of drying efficiency, the machines incorporate a redesigned print platen structure with three individually controlled heating elements. The heating elements will tackle media pre-heating, ink fixation and drying of the prints. The ValueJet printer using Eco Ultra ink is ideally suited to deliver top quality images when printing directly onto a wide range of low-cost standard available uncoated PVC, banner and soft-sign materials as well as for coated substrates.

Ready for Volume Production

The standard ValueJet 1324 & 1624 printer incorporates a set of scroller supports mounted at the back of the machine. These supports enable non-motorised unwinding of media (2" or 3" core) up to a weight of 19 kg (VJ-1324) or 30 kg (VJ-1624).

For the ValueJet 1324, Mutoh offers an optional winder system enabling motorized roll up of finished prints up to 30 kg (T-Winder 30)

For roll-up of prints on the ValueJet 1624, two different optional unwinder/winder systems are available : the T-Winder 30 take-up unit for media rolls up to 30 kg and the Unwinder/Winder 100 system with tension mechanism for motorised unwinding/winding of media rolls up to 100 kg.

Maximize your Profit with Mutoh Intelligent Interweaving (i²) Print Technology

The new ValueJets incorporate Mutoh's award-winning Intelligent Interweaving (i²) print technology, enabling a drastic reduction or even total elimination of the typical difficulties inherent to conventional digital inkjet printing, such as horizontal banding, step mismatch banding and the visible effects of missing or misfiring nozzles.

One of the biggest benefits of this proprietary Mutoh print technology is that it offers predictable and repeatable output quality, therefore bringing an unprecedented level of user comfort to the printer operator. ValueJet printer users will be able to print ideal quality images fit for purpose every time, in the shortest possible time.

Print & Cut

Print and cut simultaneously by running your ValueJet printer in tandem with a Mutoh multi-purpose Kona cutter.

The user-friendly Kona cutting plotter is ready to tackle all your contour cutting applications such as stickers, short-run decals, window signs and much more. Thanks to Mutoh's patented Epos-technology and a unique job recognition feature, contour cutting is performed with virtually no user intervention required. The Mutoh Kona cutter can also trim posters thanks to its integrated poster trim function.

Find more about Mutoh's Print & Cut solution @ www.mutoh.be .

Fast Return on Investment

Rapid return on investment is available to beginners as well as skilled operators. The combination of affordable pricing, ease of use with consistent high quality output, flexibility for switching quickly between different media types and low ink consumption (average 8 ml/m² on uncoated PVC) means the ValueJet printer will swiftly turn investment into profit.

ValueJet 1324 & 1624

Basic Specifications

	ValueJet 1324	ValueJet 1624
Technology	Drop-on-demand Micro Piezo Inkjet Technology Variable drop mass output between 3.5 pl and 35 pl	
Head / Nozzle Configuration	180 nozzles x 8 lines = 1440 nozzles / head	
Print Resolutions	540 x 720 dpi, 720 x 720 dpi, 720 x 1080 dpi (new!) 1440 x 720 dpi, 1440 x 1440 dpi	
Maximum Media Width	1371 mm (53.97")	1625 mm (63.97")
Maximum Print Width	1361 mm (53.58")	1615 mm (63.58")
Minimum Media Width	500 mm (19.68")	900 mm (35.43")
Media Thickness	up to 1.3 mm (2 head heights)	
Diameter	Ø 150 mm	
Core	2" & 3" compatible	
Weight	19 kg	30 kg
Ink Type	Eco Ultra	
Colours	CMYK	
Volume	220 ml cassettes	220 & 440 ml cassettes
Interface	Ethernet 10/100BASE-TX	
Command Language	MH-RTL (RTL-PASS)	
LCD display	Backlight LED – 1 line x 20 characters	
Operation Environment:	Temperature : 20 – 32 °C	
	Humidity : 40% - 60% RH (non-condensing)	
Heaters	Pre-heater : 30 – 50 °C	
	Platen heater : 30 – 50 °C	
	After-heater : 30 – 50 °C	
Power Supply:	AC 100-120 V / AC 200-240 V 60/50 Hz	
Power Consumption	During printing: 500 W	During printing: 600 W
	In stand-by mode: 65 W	In stand-by mode: 90 W
	During warming up: 1010 W	During warming up: 1500 W
Acoustic Levels Idle/Printing	62.4 / 67.7 dB	60.5 / 69.8 dB
Dimensions (HxWxD)	1218 x 1916 x 685 mm	1261 x 2698 x 885 mm
Weight	82.3 kg	160 kg

Mutoh Authorised Resellers

Mutoh products are distributed and supported by an extensive network of certified Mutoh authorized resellers extensively trained by Mutoh for sales and after-sales support. Mutoh authorised resellers will offer you further product information & insight, possible product configurations, product pricing and return on investment figures to meet your company's objectives. Contact your nearest Mutoh authorised reseller at www.mutoh.eu.