



New Product Launch: ValueJet 1324 & ValueJet 1624

Mutoh America Inc.

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ValueJet 1324

MSRP \$18,495



ValueJet 1624

MSRP \$22,995

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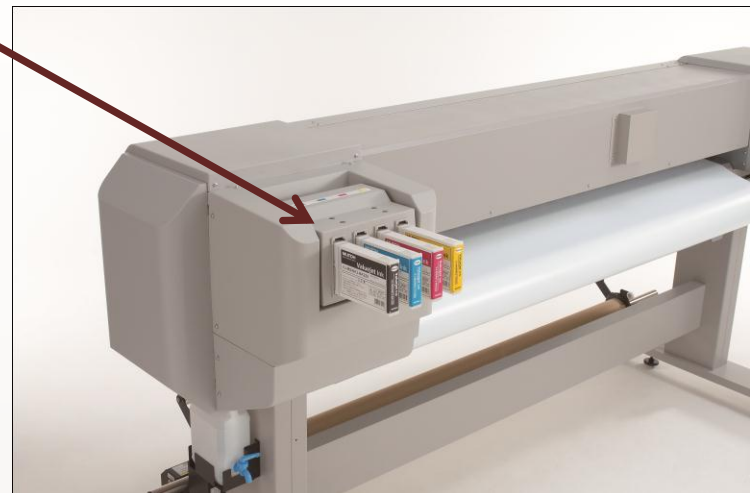
New Features 1324

- New print head
- Improved print speeds
 - Up to 300 sqft/h
- Increased door size for easier maintenance
- Equipped with automatic cutting function
- Can be equipped with SpectroVue VM-10 (Optional)



New Features 1624

- New print head
- Improved print speeds
 - Up to 313 sqft/h
- Movable ink cartridge holder to accommodate 440mm and 220 mm ink cartridges
- Equipped with automatic cutting function
- Can be equipped with SpectroVue VM-10 (Optional)





SpectroVue VM-10 (Optional)

- Compact spectrophotometer
- Incorporates DP1, spectral imaging chip, a hi res “digital prism”
- Reports both spectral and colorimetric values for any one of 18 pre programmed illuminates
- Enhances image quality by utilizing the full color gamut
- Checks quickly- doesn't effect production schedules





ColorVerify

Coming soon !

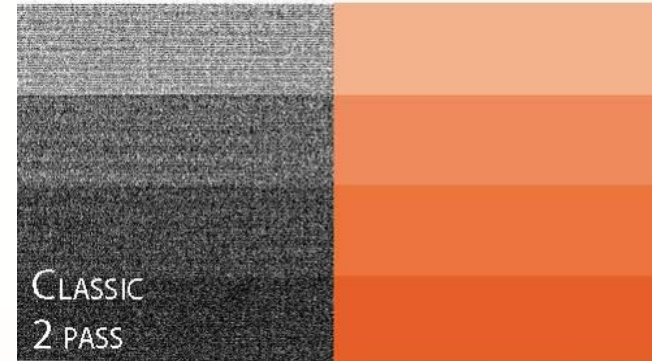
- Internet-based
- Works with SpectroVue- VM10 to maintain process control
- Create a baseline for your printer
- Use ColorVerify as a means of checks and balances to your baseline
- Easy to use: pass/fail, if failed it assists in finding errors
- Clients demand consistent color, makes it easy to product consistent prints



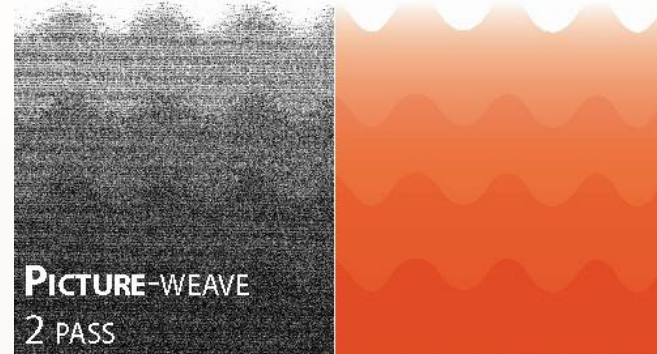
Same Great Features and Benefits 1324 & 1624

- Remains at Same Price Point as 1304 & 1614
- Drop-On Demand Piezo Drive Method
- Indoor and outdoor printing applications
- Eco-Ultra Ink, producing brilliant colors
- Individually controlled pre, platen and post heaters
- 2 year on-site warranty
- Manufactured with i²: Intelligent Interweave print technique; Mutoh's dot control system that virtually eliminates horizontal banding

Traditional Ink Placement



Intelligent Interweave



ValueJet 1324 vs. 1304 & Competitors

Manufacturer	Mutoh		Roland			
Model	ValueJet 1324	ValueJet 1304	VersaArt RS-540	VersaCAMM VS-540	VersaCAMM SP-540i	VersaCAMM VP-540i
Max Print Width	53.6"	52.60" (Uni-D) / 53.35" (Bi-D)	53.6"	53"	53"	53"
Max Media Width	54"	54"	54"	54"	54"	54"
Head Height	1.2 mm / 2.0 mm	1.2 mm / 2.0 mm	Max. Media Thickness : 1 mm	Max. Media Thickness : 1 mm	Max. Media Thickness : 1 mm	Max. Media Thickness : 1 mm
Type of Ink	Eco Ultra (Ver. 3A)	Eco Ultra	ECO-SOL MAX	ECO-SOL MAX, SBL-2	ECO-SOL MAX	ECO-SOL MAX
Max Colors	4	4	4	4,6,8	4	4
Color Options	CMYK	CMYK	CMYK	CMYKLCmWMT	CMYK	CMYK
Type of Ink Supply	220 ml Cartridge 1000ml Pack with Optional Holder	220 ml Cartridge	220 ml / 440 ml Cartridge	220 ml / 440 ml Cartridge	220 ml / 440 ml Cartridge	220 ml / 440 ml Cartridge
Heater	3 (Pre, Platen and after)	3 (Pre, Platen and after)	3 (Front, Print, Rear)	2 (Print, Dryer)	2 (Print, Dryer)	3 (Front, Print, Rear)
Max Resolution (dpi)	1440	1440	1440	1440	1440	1440
Print Speed (sf/h)	300 (360x720 dpi 2pass Bi-D)	145 (720x720 dpi 4pass Bi-D)	107 (720x720 dpi 5pass)	130 (540x720dpi / CMYKx2)	84 (360x720dpi)	32
Max Roll Weight (lbs.)	42	42	66	66	66	66
Take-up System	Standard	Standard	Optional (\$2,094.75)	Option (\$2,094.75)	Option (\$2,094.75)	Option (\$2,094.75)
Media Auto Cut	Standard	No	Standard	Standard	Standard	Standard
Spectrophotometer Port	Standard SPECTROVUE VM-10 (optional)	No	No	No	No	No
RIP Software	Mutoh Flexi Print SE	Mutoh Flexi Print SE	Roland VersaWorks	Roland VersaWorks	Roland VersaWorks	Roland VersaWorks
Product Warranty	2 Year On-Site	1 Year On-Site	2 Year On-Site	2 Year On-Site	2 Year On-Site	2 Year On-Site
Cutter Bundle	Print Only	Print Only	Print Only	Print & Cut	Print & Cut	Print & Cut
Retail Price	\$18,495	\$18,495	\$16,295	\$22,995	\$17,895	\$22,995

ValueJet 1624 vs. 1614 & Competitors

Manufacturer	Mutoh		Roland		
Model	ValueJet 1624	ValueJet 1614	VersaArt RS-640	VersaCAMM VS-640	SOLJET Pro III XJ-640
Max Print Width	63.6"	63.6"	63.6"	63"	63.6"
Max Media Width	64"	64"	64"	64"	64"
Head Height	1.5 mm / 2.5 mm	1.5 mm / 2.5 mm	Max. Media Thickness : 1 mm	Max. Media Thickness : 1 mm	Max. Media Thickness : 1 mm
Type of Ink	Eco Ultra (Ver. 3A)	Eco Ultra	ECO-SOL MAX	ECO-SOL MAX, SBL-2	ECO-SOL MAX
Max Colors	4	4	4	4,6,8	4,6
Color Options	CMYK	CMYK	CMYK	CMYKcLmWmt	CMYKcLm
Type of Ink Supply	220ml / 440 ml Cartridge 1000ml Pack with Optional Holder	220 ml / 440ml Cartridge	220 ml / 440 ml Cartridge	220 ml / 440 ml Cartridge	220 ml / 440 ml Cartridge
Heater	3 (Pre, Platen and after)	3 (Pre, Platen and after)	3 (Front, Print, Rear)	2 (Print, Dryer)	3 (Front, Print, Rear)
Max Resolution (dpi)	1440	1440	1440	1440	1440
Print Speed (sf/h)	313 (360x720 dpi 2pass Bi-D)	185 (720x720 dpi 4pass Bi-D)	112 (720x720 dpi 5pass)	141 (540x720dpi / CMYKx2)	80 (720x720dpi)
Max Roll Weight (lbs.)	66	66	88	88	88
Take-up System	Standard	Standard	Optional (\$2,094.75)	Option (\$2,094.75)	Standard
Media Auto Cut	Standard	No	Standard	Standard	Standard
Spectrophotometer Port	Standard SpectroVue VM-10 (optional)	No	No	No	No
RIP Software	Mutoh Flexi Print SE	Mutoh Flexi Print SE	Roland VersaWorks	Roland VersaWorks	Roland VersaWorks
Product Warranty	2 Year On-Site	1 Year On-Site	2 Year On-Site	2 Year On-Site	2 Year On-Site
Cutter Bundle	Print Only	Print Only	Print Only	Print & Cut	Print Only
Retail Price	\$22,995	\$22,995	\$17,895	\$26,495	\$29,395

Print and Cut

- Use the ValueJet 1324 and ValueJet 1624 as a print/cut solution with Mutoh's Kona Cutting Plotters
- Cut and print at the same time, one operation does not stop the other
- Kona Cutters give finest cutting quality with superior tracking
- Available in 30, 55 and 65" sizes
- Konas offer:
 - Traditional vinyl cutting for lettering jobs
 - Contour cutting of pre-printed stickers
 - Cut through feature for creation of individual stickers



Mutoh ValueJet vs. HP Latex

Specification	ValueJet 1624 - 64"	HP Designjet L25500 - 60"
Max Print Width	63.6"	59.6"
Max Media Width	64"	60"
Print Head Technology	Piezo	Thermal
# of print head	1 (CMYK x 1)	6 (YK x 2 / CLc x 2 / LmM x 2)
Max Resolution (dpi)	1440	1220
Minimum Droplet Size	3.4pl	12pl
Variable Dot	Yes	No
Head Height	2 step (1.5mm / 2.5mm)	0.5mm (Max Media Height)
Type of Ink	Eco-Solvent Ultra	HP Latex
Max Colors	4 (CMYK)	6 (CMYKLcLm)
Outdoor Durability	up to 3 years	up to 3 years
Type of Ink Supply	440ml Cartridge / 1000ml pack with optional holder	775ml Cartridge
Heater	3 (pre, platen and after)	2 (print and output area)
Max Consumption Current	12A / cord	15A / cord
Max Power Consumption	2.3kW (two power cords)	4.8kW (two power cords)
Print Speed	313 sf/hr	178 sf/hr
Max Roll Weight	Printer	66lbs.
	Take up	66lbs.
Take-up System	Standard	Standard
RIP Software	Mutoh Flexi Print SE	Not Included
Product Warranty	2 Year On-Site(Limited)	1 Year On-Site
Retail Price	\$22,995	\$24,000



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Mutoh ValueJet vs. HP Latex

Specification

	ValueJet 1624 - 64"	HP Designjet L25500 - 60"	Heater Type
Pre Heater	30°C - 50°C / 86°F - 122°F		
Platen Heater	30°C - 50°C / 86°F - 122°F	40°C - 65°C / 104°F - 149°F	Drying Heater
After Heater	30°C - 50°C / 86°F - 122°F	60°C - 120°C / 140°F - 248°F	Curing Heater

Recommended Default Setting for Self-Adhesive Vinyl and Banners

	ValueJet 1624 - 64"	HP Designjet L25500 - 60"	Heater Type
Pre Heater	40°C / 104°F		
Platen Heater	42°C / 108°F	50°C - 55°C / 122°F - 131°F	Drying Heater
After Heater	50°C / 122°F	110°C / 230°F	Curing Heater

Excess of heater temperatures may cause buckling or cockling on some medias.

HP L25500 Media Compatibility

Recommended default substrate settings

Substrate family	Main Printer settings							
	Drying Temperature	Curing Temp	Heating AirFlow	Automatic tracking (OMAS)	Cutter enable	Substrate advance compensation	Input Tension	Vacuum level
Banner	50	110	45	Yes	Disabled	0	15	5
Self-Adhesive	55	110	45	Yes	Enabled	0	15	25
Fabric	55	100	45	Yes	Disabled	0	15	20
Paper-Solvent	50	90	30	Yes	Enabled	0	15	15
HP Photorealistic	50	90	30	Yes	Enabled	0	15	40
Mesh	50	95	30	Yes	Enabled	0	15	15
Film	55	95	60	Yes	Enabled	0	15	20
Paper-Aqueous	45	70	30	Yes	Enabled	0	15	20

Due to very high temperature requirements during the drying and curing process, probability of media shrinkage, cockling or deformation are quite high.

Results : wide media limitations for use with the L25500 printer.

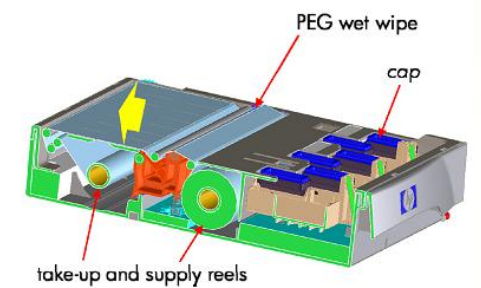
Certain media may require manual print head alignment instead of automatic alignment.

HP L25500 Periodic Replacement Parts



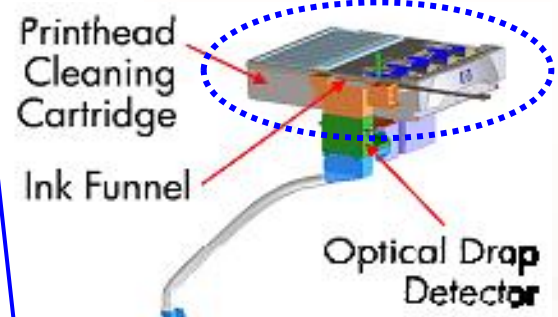
Print Head

\$110 x 6 = \$660



Print Head Cleaning Cartridge

\$60



Print Head Cleaning Container




\$30

Print Head Warranty :

Until the "warranty ends" date printed on the product is reached, or 800-cc of HP ink have been cycled through the printhead, whichever occurs first.

The printhead life is warranted for 1 cartridge

HP L25500 Periodic Replacement Parts

Items	Cost
	<p>Replace every ~2000 prints</p> <hr/> <p>HP789 Designjet Printhead Cleaning Kit</p>
	<p>Replace when it is full</p> <hr/> <p>HP789 Designjet Printhead Cleaning Container</p>
	<p>Warranty : 800cc of HP ink have been cycled through the printhead</p> <hr/> <p>HP789 Cyan/Light Cyan Designjet Printhead</p> <hr/> <p>HP789 Light Magenta/Magenta Designjet Printhead</p> <hr/> <p>HP789 Yellow/Black Designjet Printhead</p>

Mutoh ValueJet vs. HP Latex

Ink Cost Comparison

Model	Ink Type	Number of Cartridge	Capacity	MSRP	Cost / ml
ValueJet 1624	Eco Solvent Ultra Ink	4	440ml	\$128.99	\$0.29
Designjet L25500	Latex Designjet Ink	6	775ml	\$163.00	\$0.21

To obtain the true cost of ink/ml, the cost of printhead consumption should be added. Based on the HP warranty claim, the result is as follows:

Model	Ink Type	Cost / ml	Print Head MSRP	Print Head Cost / ml	True Cost / ml
ValueJet 1624	Eco Solvent Ultra Ink	\$0.29	-	-	\$0.29
Designjet L25500	Latex Designjet Ink	\$0.21	\$110.00	\$0.14	\$0.35