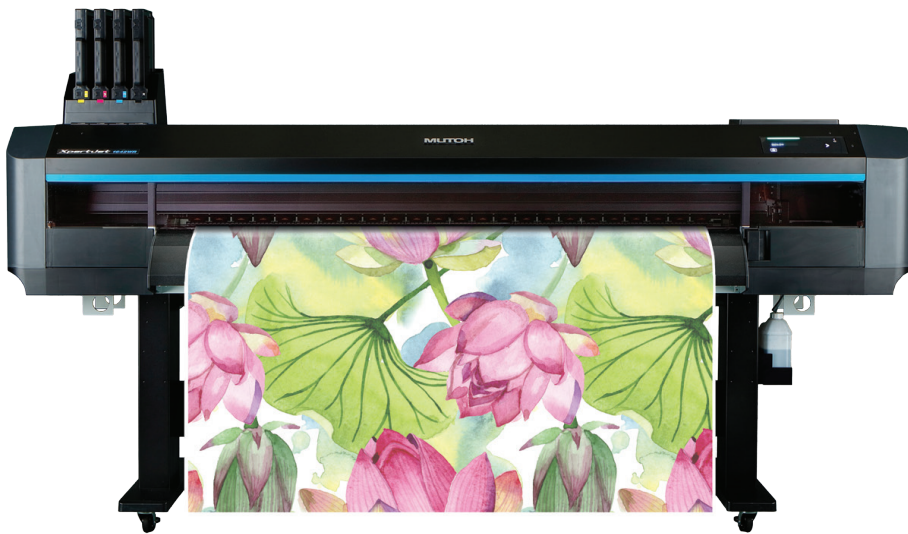# MUTOH

XpertJet

XPJ-1642WR

Indoor & Digital Transfer ‹

New Generation
Water-based Inkjet Printer

XpertJet 1642WR, the successor to Mutoh's award winning Value-Jet 1638WX water based model, is Mutoh's new generation 64" (162 cm) wide water-based inkjet printer. It features new unique Mutoh core technologies to bring consistent performance, high-quality output and reliable volume production features.

Based on Mutoh's brand new XpertJet printer platform, the XPJ-1642WR features 2 brand new ultra wide Mutoh AccuFine piezo variable drop print heads, installed in a staggered configuration. In combination with Mutoh's new proprietary i-screen weaving technology, the new print heads will deliver exceptional print quality at higher production speeds time after time.

The new XpertJet 1642WR features unrivalled useability for volume producers who need a reliable and worry free workhorse. Multiple product enhancements are integrated, including DropMaster2, Media Tracker, FeedMaster and Nozzle Area Select.

The XPJ-1642WR is ready for production: rolls can be easily mounted thanks to newly designed media core flanges. Continuous printing is made possible with the different motorized take-up systems available for roll weights up to 30, 40 or 100 kg.

Product Highlights

- Water based inkjet printing up to 1625 mm (63.97")
- Brand new AccuFine print head technology on board :
  Double gain : speed and quality !
- New i-screen weaving technology delivers exceptional print quality
- Four different print head heights
- Front media drying unit incorporated
- Production speeds : 10 – 15 – 30 – 41 – 52 and 61 m^2/h
- 4 colour setup
- Illuminated print bed for job checking visibility
- Unrivalled useability thanks to multiple new unique Mutoh core technologies
- Enhanced media handling & transport
- Ready for volume printing : 30, 40 or 100 kg motorized take up systems
- Environmentally friendly printing - high level of operator safety

Application Possibilities

In-store textile décor graphics and displays, personalised home decoration, textile banners, fast fashion, shirts, sportswear and much more. Personalised products on all types of polyester coated or polyester based rigids, gadgets and flexible materials. Or create vivid posters in large volumes.

Made in Japan Technology

For more than 25 years, Mutoh has been renowned for its Japanese manufactured high quality wide format printers. The new XPJ-1642WR, successor to Mutoh's ValueJet 1638WX model, will take you to the next level of quality and user experience thanks to the integration of existing and new Mutoh core technologies.

New Generation Dye Sublimation Inks
Mutoh's new DS3 series inks are all round dye sub inks with increased colour density. The 1 kg degassed ink packs ensure reliable jetting and give excellent image definition and sharpness.

Multi-level Pinch Rollers - Adaptable Pressure
For worry-free feeding and optimum transport of the widest range of media including thin, delicate or slippery substrates, the XpertJet integrates a newly designed multi-level pinch roller system. The pressure on each individual pinch roller can be adjusted.
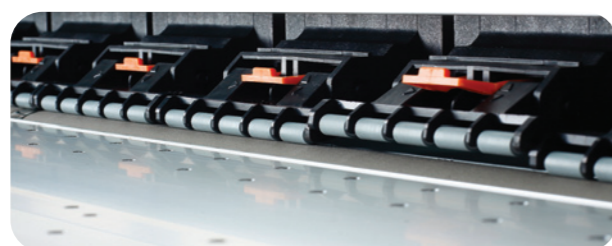
DropMaster2
DropMaster is another Mutoh proprietary feature which automatically adjusts the drop throw distance to the thickness of the media loaded. With XpertJet, we have taken DropMaster to the next level: DropMaster2. The XpertJet has a built-in colour sensor for automatic bidirectional alignment, saving you precious time and increasing your efficiency.

FeedMaster
FeedMaster will perform an automated paper feed adjustment through the built-in colour sensor. This nifty feature will reduce waste and increase efficiency.

Before feed correction   After feed correction

Two AccuFine Ultra Wide Piezo Print Heads
Two new ultra wide micro piezo variable drop print heads ensure extremely precise ink drop placement to provide a high print quality at all production speeds. The new AccuFine print heads produce ink droplets from 3.8 to 24 pl.

AccuFine

Illuminated Print Platform
LED lights above the print platform will enable the printer operator to easily inspect and follow up print jobs in progress.

Motorised Take-up Systems
You can setup the XpertJet with a 30 kg torque winder for motorised take up of media up to Ø 150 mm, a 40 kg torque winder which is suited for media rolls up to Ø 250 mm or a 100 kg feed and take-up system for media rolls up to Ø 250 mm.

Media Tracker
Media Tracker prints a barcode on the roll in use before it's removed from the printer. When you reload the same roll, the laser next to the print head will scan the barcode and know exactly how many metres of media is left on it. No more guessing or stopping to change the roll part way through the run!

i-screen weaving
Nothing beats the real thing ! Our well-known Intelligent Interweaving technology – a game changing feature invented by Mutoh – is obviously on board. Mutoh's fourth generation weaving algorithms - called i-screen - deliver spot on print quality at the highest production speeds.

i-screen
From the inventors of Intelligent Interweaving

Integrated Automatic Nozzle Check Unit
Automatically detects missing nozzles and cleans the nozzles to continue the operation.
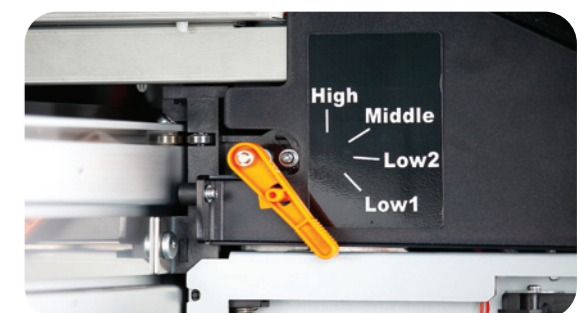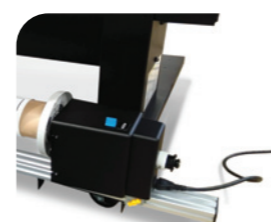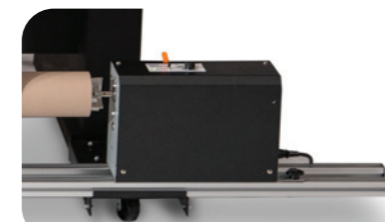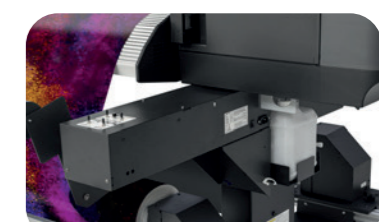
Nozzle Area Select
Eliminates downtime by automatically selecting only active nozzle blocks in the event missing nozzles cannot be recovered.

4 Head Heights
Select optimal height of the print head from 4 step PG setting to accommodate the widest range of sublimation papers.

High
Middle
Low2
Low1

30 kg   40 kg   100 kg

MUTOH

XpertJet
XPJ-1642WR

64" Water-based Inkjet Printer

Technical Key Specifications

Print Technology	AccuFine - Drop-on-demand Micro Piezo Inkjet Technology
Print Head	2 (staggered setup)
Nozzle Configuration	400 nozzles x 4 lines / head
Drop Mass Range	3.8 to 24.0 pl
Resolution Range	300 x 600 dpi up to 1200 x 1200 dpi
Head Heights	Low1: 1.5 mm / Low2: 2 mm / Middle: 2.5 mm / High: 4 mm
Other Features	Led print platform illumination, OLED display, Dryer Heater 30°- 50℃, Mist Collection With Replaceable Filters.

Media Specifications

Media Width	500 mm (19.96") - 1625 mm (63,97")		
Max. Print Width	1615 mm (63,58")		
Media Thickness	0,04 mm - 1 mm		
Compatible Roll Diametre	30 kg	40 kg	100 kg
Roll-off (mm)	Ø 200	Ø 200	Ø 250
Take-Up (mm)	Ø 150	Ø 250 *	Ø 250

* : Standard converted rolls may increase in diametre and weight during printing. To handle full rolls from start to end, a winder 40 kg is recommended.

Media Core Compatibility	2" & 3"
Automatic Sheet-off Mechanism	Yes

Ink / Ink Supply

4-colour configuration: CMYK
Ink Cases for 1000 g Ink Pouch
Ink Type : Mutoh DS3 series all round HC dye sublimation inks

Power Consumption

During Printing	max. 1470 W
In Sleep / Power Off	max. 20 W / 3 W
Power Supply	AC 100-120 V / AC 200-240 - 60/50 Hz
Noise (dB)	± 70.4 (printing) / ± 64.2 (ready to print)

Machine Measurements

Width x Depth x Height	2770 x 895 x 1428 mm*
Weight	Printer: 137 kg - Stand: 32 kg

*Height 1611 mm with 1 kg ink cases installed.

Recommended Printing Environment

Temperature	22 °C - 30 °C with Δt: max. 2 °C/h
Humidity	40 % - 60 % RH (no condensation) with ΔRH: max. 5 % RH/h

Print Modes - Speed Range*

Resolution (dpi)	Speed (m²/h)
900 x 1200	10
900 x 900	15
600 x 600	30
300 x 600	41 / 52 / 61

*Speed range suitable for production in combination with Mutoh DS3 genuine inks.

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