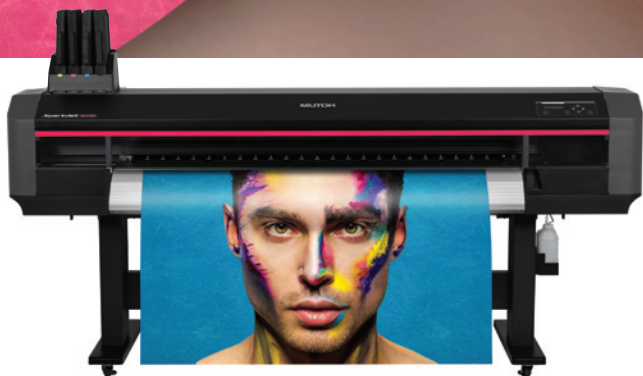# MUTOH

XpertJet

Wide Format Sign & Display Printers

1641SR

1682SR

Kaizen Spirit !

Mutoh is renowned for its Japan made high quality wide format inkjet printers. A key factor to our competitive success and business philosophy has been our **Kaizen spirit**. The Japanese word Kaizen means "change for the better". For Mutoh, Kaizen implies our company-wide commitment to **create continuous improvement and innovation**. In short, creating **lasting excellence**, one step at a time.

In developing the 64" (162 cm) wide XpertJets, our fifth generation Sign & Display printers, we faithfully took the Kaizen way. Suited for the widest range of indoor and long term outdoor Sign & Display graphics, the all new **XpertJet 1641SR and 1682SR** printer models are the successors of Mutoh's multi-awarded ValueJet 1624X and ValueJet 1638X. They bring **multiple product enhancements and pioneering innovative features** to Sign & Display print professionals.

Join the Mutoh Kaizen spirit … **K**eep on improving, **A**im for happy customers, **I**mpress with constant top print quality, **Z**ap your sign business into the future, **E**njoy the Mutoh comfort, **N**ever stop your creativity… **KAIZEN**…

64" WIDE

PIEZO VARIABLE DROP

CMYK + Lk Lc Lm

GREENGUARD Gold

OUTDOOR / INDOOR

UX RANKING

INTELLIGENT INTERWEAVING

DROPMASTER 2

FEEDMASTER

MEDIA TRACKER

XpertJet 1682SR
1625 mm - 64" / Dual Head / 2 x 4 or 7 Colours

XpertJet 1641SR
1625 mm - 64" / Single Head / 4 Colours

PHOTOGRAPHY

WALLPAPER

VEHICLE WRAPPING

BANNERS

BACKLITS

SOFT SIGN / TEXTILE DISPLAYS

XPERTJET AT A GLANCE

- **Piezo drop on demand roll fed sign & display printers**
  64" - 162 cm / CMYK (1641SR) / 2 x CMYK or CMYK + Lc, Lm, Lk (1682SR).

- **Robustly built platform**
  High precision aluminum extrusion for extremely accurate ink dot placement, new cosmetics, new print platen & smart Printed Circuit Board box design.

- **Excellent user experience ranking**
  Illuminated print platform, new multi-language intuitive OLED display, automated bidirectional alignment & paper feed adjustment via integrated colour sensor & remote printer monitoring.

- **Enhanced media handling & transport**
  Easy single operator media loading through newly designed media feed flanges, worry-free transport of the widest range of roll substrates thanks to multi-level pinch rollers with adaptable pressure.

- **Dual Ink Option : new generation GREENGUARD Gold Eco-Solvent inks & award winning UMS11 inks**
  Cost-efficient, excellent outdoor durability, abrasion and chemical resistance scores.

- **Highly flexible**
  For starters or established print shops needing extra versatility and flexibility as well as for businesses focusing on the combination of speed production and top quality print work.

STICKERS

VISIT MUTOH EUROPE ON YOUTUBE

WATCH MOVIE

A Design for Tomorrow

XpertJet features entirely new cosmetics. The new printer platform integrates proven & industry leading Mutoh technology meeting the demands of digital print professionals. It is also packed with multiple product enhancements to provide you comfort and reliability for many years to come.

Enhanced Roll Off System with New Media Feed Flanges

The robust and easily accessible roll off system will facilitate convenient media loading. Newly designed coreless media feed flanges will allow operators to quickly load media and exchange multiple rolls.

Dual Ink Option : MS41 or UMS11

Deliver top quality results onto a wide range of uncoated and coated substrates with our 7 colour MS41 series Eco Solvent inks or with our award winning 4 colour UMS11-series Universal Mild Solvent inks. The ink packs in foil go into re-usable ink pack cases, reducing waste. LED lights will show you the ink level status.

XpertJet 1682SR

| C | M | Y | K | C | M | Y | K |

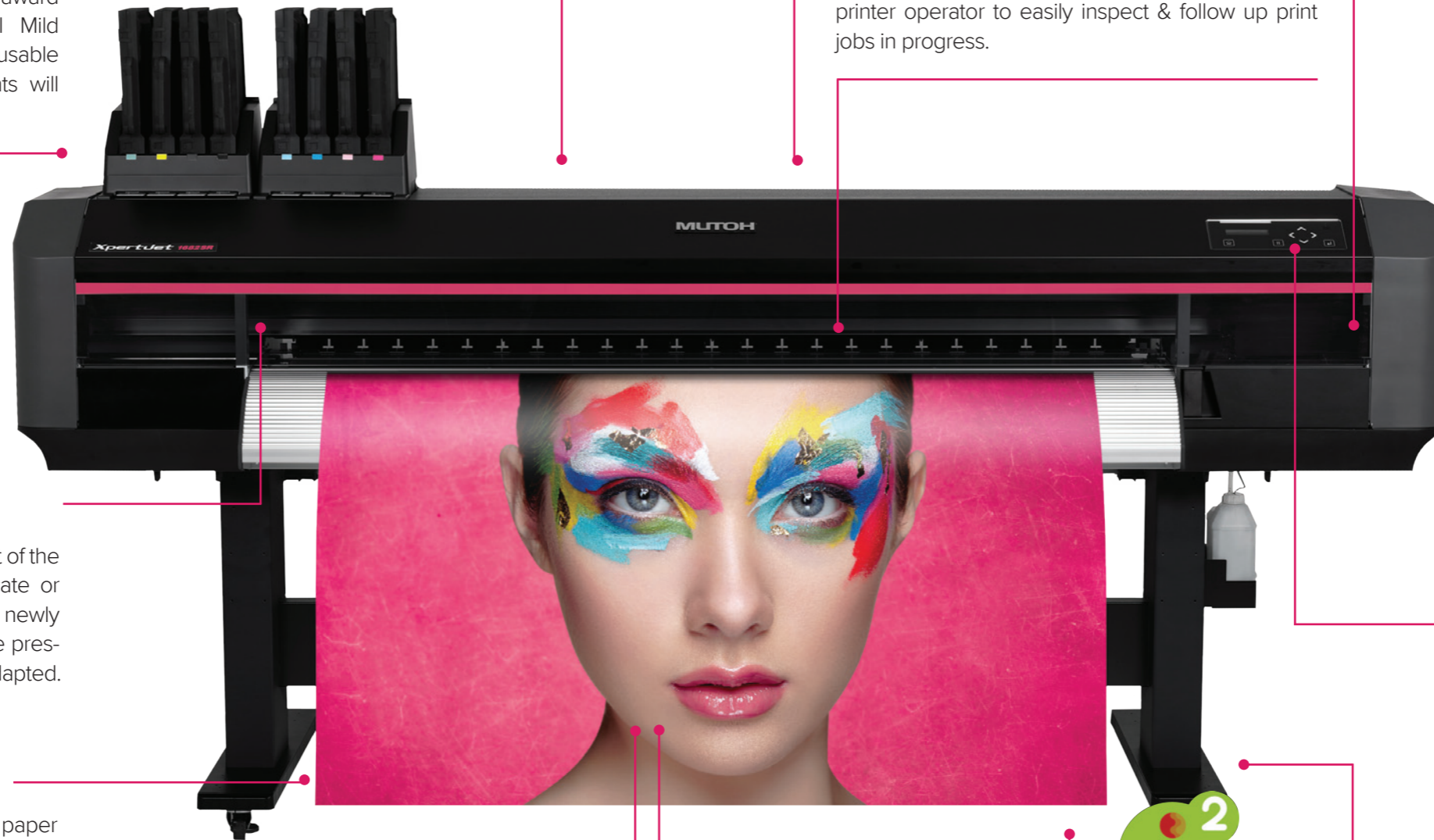| C | M | Y | K | Lk | Lc | Lm |

XpertJet 1641SR

| C | M | Y | K |

Illuminated Print Platform

LED lights above the print platform will enable the printer operator to easily inspect & follow up print jobs in progress.

High-End Piezo Print Heads

Latest generation micro piezo variable drop print heads producing ink drops as small as 3.5 picolitres ensure extremely precise dot generation and consistency for reliable high quality performance. The heads have been specifically tuned for Mutoh's genuine sign & display inks. XPJ-1641SR has one head on board. XP-1682SR has a dual staggered head setup.

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 adapted.
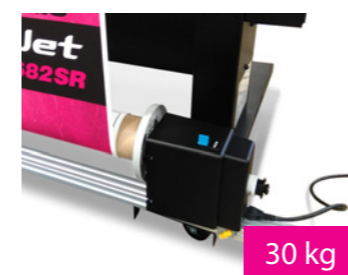
New Intuitive Multi-language OLED Touch Display

The XpertJet has a new OLED touch display for flawless & intuitive printer operation. A colour bar visualises the printer's key status.

FeedMaster

FeedMaster will perform a fully automatic paper feed adjustment. This nifty feature will reduce waste and ensures identical adjustment among different operators.

i² - Intelligent Interweaving

Nothing beats the real thing ! Our well-known Intelligent Interweaving print technology – a game changing feature invented by Mutoh – is obviously on board. Dedicated weave algorithms for the XpertJets will assist you to effortlessly deliver spot on print quality.
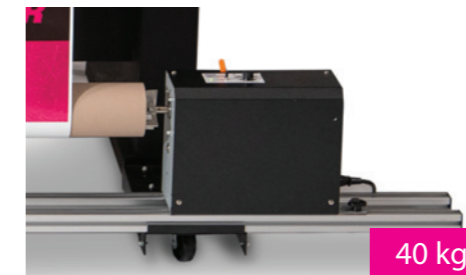
Motorised Take-up Systems

You can setup the XpertJet with a 30 kg torque winder for motorised roll 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 will scan the bar code 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!

DropMaster2

DropMaster, another Mutoh proprietary feature, automatically adjusts the jet fire timings in function of 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.

30 kg

40 kg

100 kg

KEY SPECIFICATIONS

KEY SPECIFICATIONS	*XpertJet* 1641SR	*XpertJet* 1682SR
Print Head	1 piezo head	2 piezo heads (staggered)
Nozzle Configuration	180 nozzles x 8 lines/head	
Drop Volume Range (pl)	3.5 to 35	
Resolutions	360x360, 360x720, 720x720, 720x1080, 720x1440 & 1440x1440 dpi	
Head Heights	Low: 1.5 mm / Middle : 2.5 mm / High : 4.0 mm	
Media Thickness (*1)	0.3 / 1.3 / 2.8 mm	
Media Width	up to 1625 mm (63.97")	
Max. Print Width	1615 mm (63.58")	
Media Measurements (*2)	Ø 150 mm / 2" or 3" / 30 kg	
Ink Types / Volumes	MS41 inks - 300 ml & 1L packs / UMS11 inks - 1L packs	
RIP Software	Included - Onyx RIPCenter Mutoh Edition or SAi FlexiPRINT SE Mutoh Edition	
Take-up System	Included - 30 or 40 kg motorised torque winder or 100 kg feed & take-up system	

(*1) Maximum media thickness is specified per head height. (*2) Standard non-motorised roll-off system.

PERFORMANCE [1]

	XpertJet 1641SR	*XpertJet* 1682SR	
Colour Setup	C M Y K	C M Y K Lk Lc Lm	C M Y K C M Y K
Production Sweet Spot Speed Range [2]	4.4 – 8.5 m²/h	4.8 – 7.6 m²/h	9.6 – 15.0 m²/h
Fast Production Range [3]	6.5 - 18.1 m²/h	5.3 - 17.0 m²/h	11.5 - 33.1 m²/h
Maximum Speed[4]	53.4 m²/h	48.1 m²/h	87 m²/h

1 To discover the XpertJet's performance in function of your application, please contact a Mutoh Certified Distributor for a demonstration.
2 The indicated speed range can be used for worry free printing, allowing the broadest type of work and graphics selection ranging from poster to small detailed stickers for short viewing distances.
3 Speedy output for selective production. Media, application & print viewing distance dependent.
4 Maximum speed (360 x 360). Applicability to be judged on individual basis.

MS41 SERIES INKS - NEW GENERATION SIGN & DISPLAY INKS | UMS11 SERIES INKS - VOLUME-PRODUCTION SIGN & DISPLAY INKS

- Wide colour gamut. Deliver vibrant high density prints with excellent dot gain
- Suited for long term outdoor and indoor commercial graphics
- UV durability without lamination up to 3 years outdoor*

MS41	UMS11
• 7 colours : C, M, Y, K, Lc, Lm, Lk	• 4 colours : C, M, Y, K
• 300 ml & 1 liter packs	• 1 liter packs
• Fourth generation Eco Solvent inks	• Fourth generation Mild Solvent inks
• GREENGUARD Gold certified	

* : For heavy-duty applications where mechanical stress or environmental impact is involved (floor, vehicle and marine graphics), lamination is required. Stabilisation is required prior to lamination.

XPJ-1682SR INK SETUP GUIDANCE

C M Y K	C M Y K Lk Lc Lm
Main focus on speed production & outdoor work : Car wraps, banners, billboards, soft signage textile	Main focus on high quality, photorealistic prints (smooth skin tones & gradients) for short viewing distance (< 1 m) : Indoor prints, photo reproduction prints / fine art, small sized prints / small stickers

APPLICATIONS

Mutoh XpertJet Sign & Display printers, creating durable prints on coated & uncoated substrates, have been specifically developed for high quality volume production of sign and display graphics, for long-term outdoor applications as well as durable prints for indoor use. The printers produce posters, backlit signage, wall coverings, point-of-sale displays, fine art reproduction, vehicle graphics, stickers and much more.

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