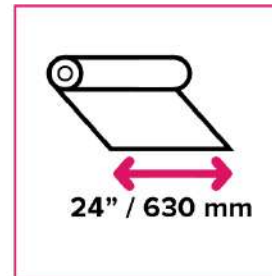


XpertJet C641SR Pro

Product Guide

MUTOH's First Integrated Printer/Cutter!

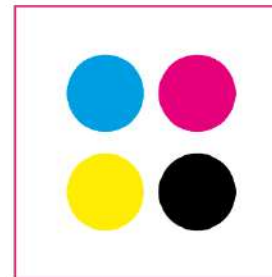
XpertJet C641SR Pro



24" / 630 mm wide



Print & Cut



CMYK



Indoor / Outdoor

XpertJet C641SR Pro

Key Highlights

- **Versatile:**

- *Print & Cut (contour cut / cut through)*
- *Print only*
- *Cut only (kiss-cut for lettering jobs)*

- **Quality Up! Speed Up!**

*Integrates **AccuFine** print head technology*

- **Impressive Print Speed:**

- *Speed boost vs. ValueJet 628*
- *Around 2-4 times faster vs. competitive machines*

***XpertJet* C641SR Pro**

Key Highlights

- **Compact Design, Flexible Setups:**
 - *Desktop*
 - *On stand with crossbar (option)*
 - *On stand with crossbar and motorized take-up system (option)*
- **Features the renowned XpertJet automated calibration routines**

Application Possibilities

XpertJet C641SR Pro

Stickers, Decals



Apparel



Vehicle decoration



Signage



Cut out designs



XpertJet C641SR Pro

Product Overview



AccuFINE

MS31 Inks

AccuFine 1600 Print Head
Extra wide, increased optical resolution, improved nozzle stability and dot quality

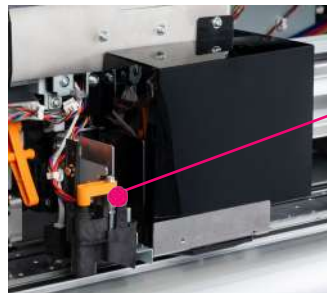
Incorporated Media Heating



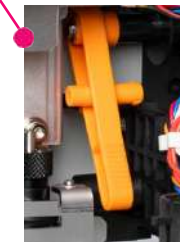
Temperature range
30 – 45 °C



Variable Head Height



Automated Sheet-Off System



High 2.8 mm

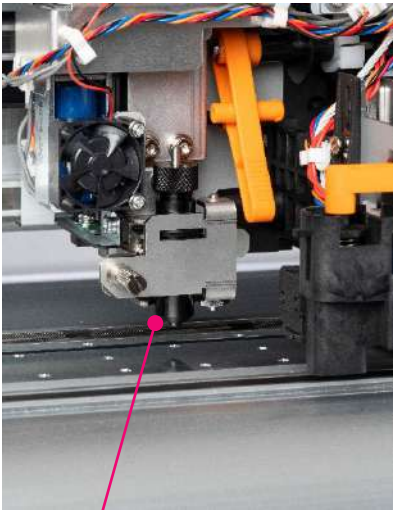
Low 1.5 mm

XpertJet C641SR Pro

Product Overview

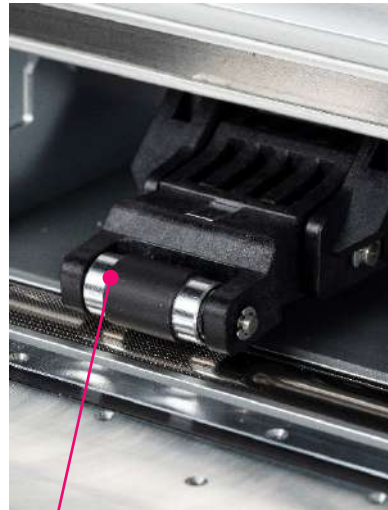
Integrated Contour Cutting!

Contour Cutter



Cutting speed:
20~150 [mm/s]
Cutting force:
30~300 [gf]

Adjustable Pressure Rollers



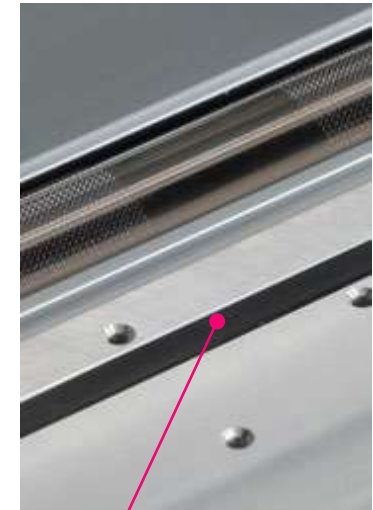
Two repositionable
pressure arms to
accommodate
different media widths

Grit Roller



For accurate transport
and aligning of the
material being printed
and/or cut

Cutting Mat

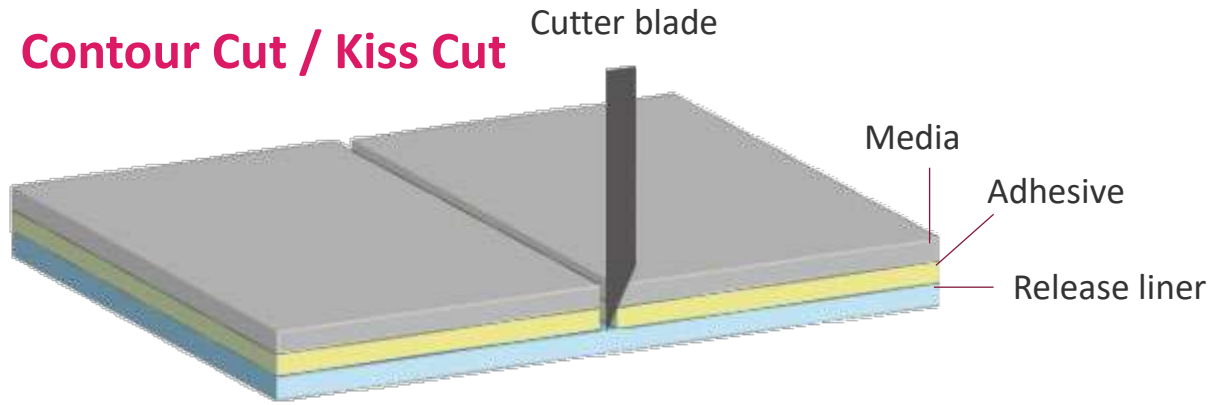


Dedicated cutting
mat for cutting /
contour cutting jobs

XpertJet C641SR Pro

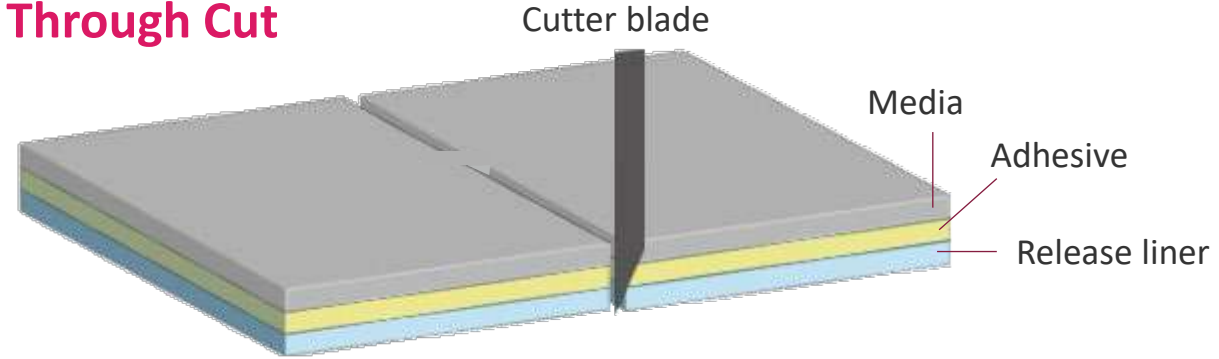
Cutting Features

Contour Cut / Kiss Cut



Cut through the media, keeping the release liner layer intact.

Through Cut



Cut all the way through the release liner layer, leaving connecting seams.

Application example

Contour-cut



Application example

Through-cut

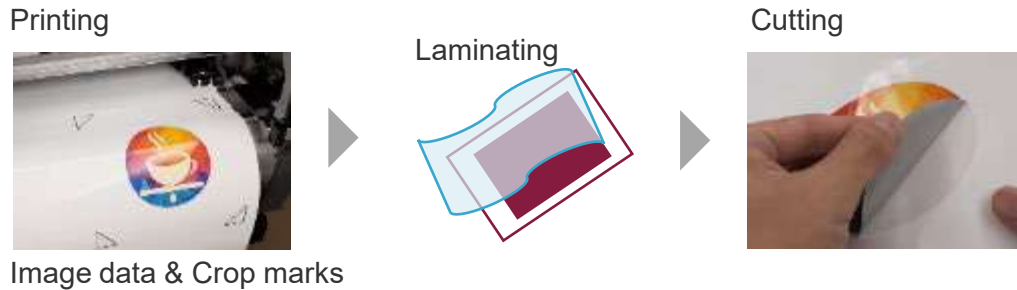


XpertJet C641SR Pro

Output Versatility

Print & Cut - Separated

- After printing, remove the media to perform a second step off-line, for example, lamination.
- Reinsert the media and perform cutting.



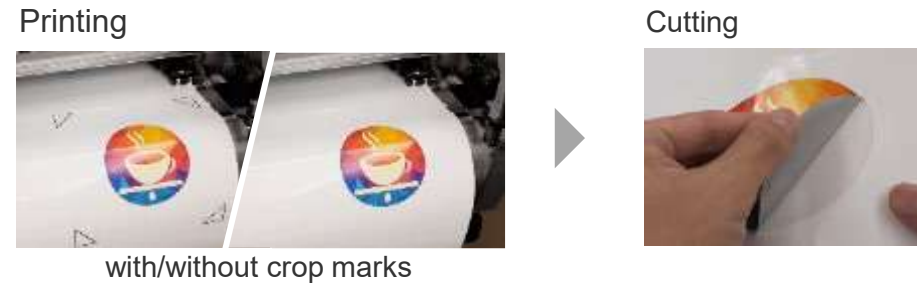
Print only



- Only print. In this set-up, a take-up system can be optionally mounted for production printing.

Print & Cut - Continuous

- After printing, pull the media back and proceed with cutting. In this case, cutting is possible even without crop marks. If high accuracy is required, however the use of crop marks is recommended.



Cut only

- Cutting coloured plain sticker-media.
- Cut out letter shapes or silhouettes of objects using the cutter



XpertJet C641SR Pro

Different Setups

Desktop



On Stand



On Stand with Take-up System*



The stand with crossbar and motorized take-up system are optional items

XpertJet C641SR Pro

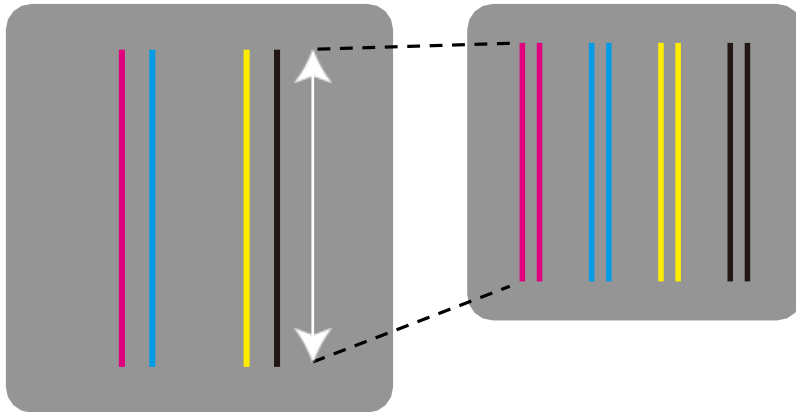


AccuFine 1600 Print Head

Increased nozzle row length

AccuFINE

【PH VJ-628】

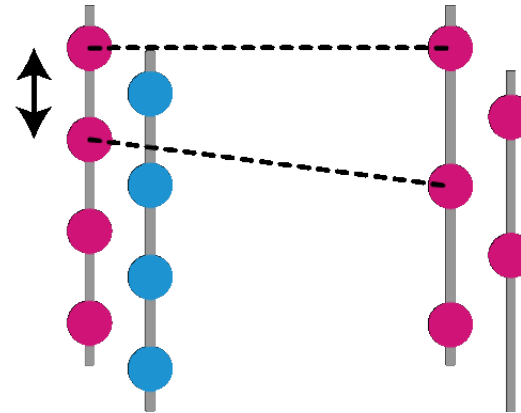


Benefit : higher productivity

High density nozzle pitch

AccuFINE

【PH VJ-628】



Benefit : higher image quality



Wider

More Nozzles

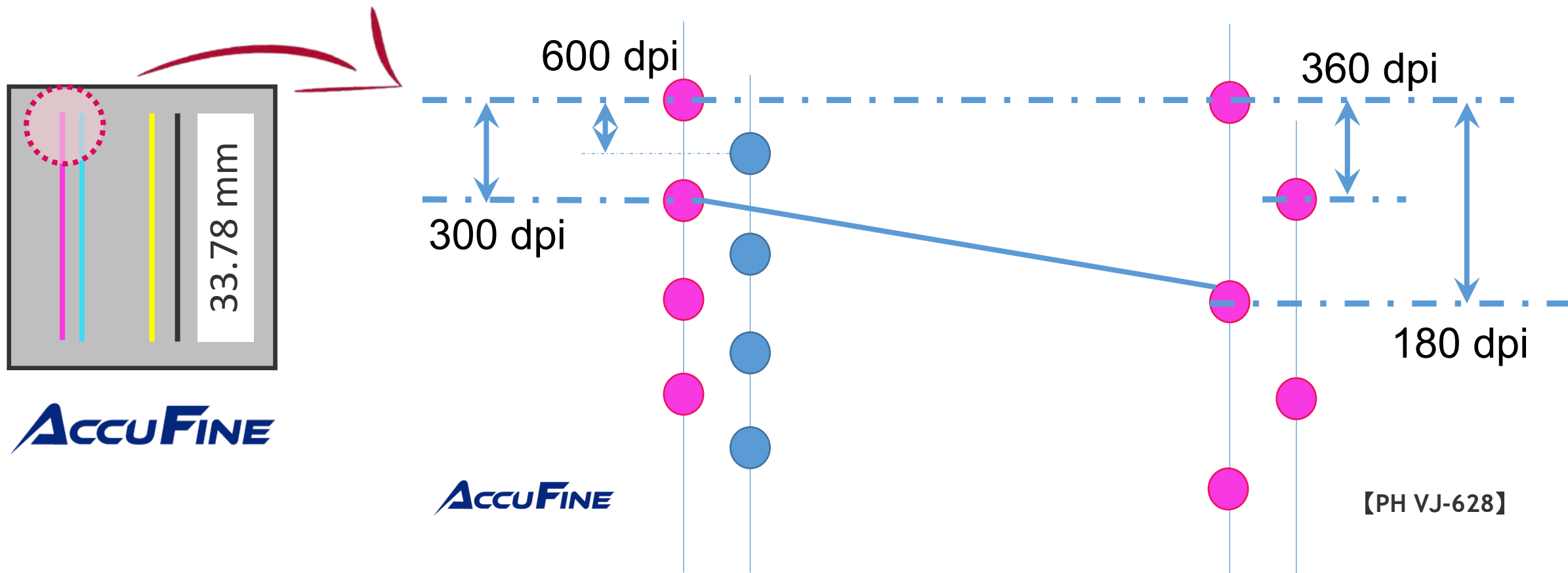
Faster Firing of Drops

AccuFine 1600 Drop Mass Range : 2,06 pl → 17,53 pl

XpertJet C641SR Pro



AccuFINE 1600 Print Head - Layout



Better Drop Landing Accuracy

Nozzle density from 180 dpi to 300 dpi

High level of user comfort



i-screen Weaving Technology



*From the inventors of
Intelligent Interweaving*

- New weaving algorithms
- Multiple new print effects
- Overall higher print quality
- Banding free output over a wider speed range

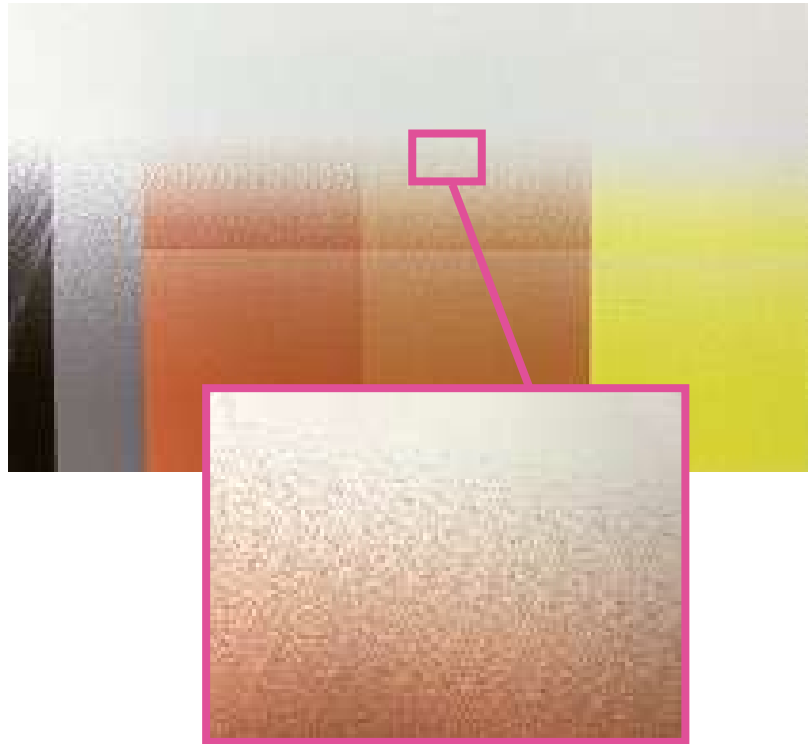


Mutoh's 4th generation weaving technology

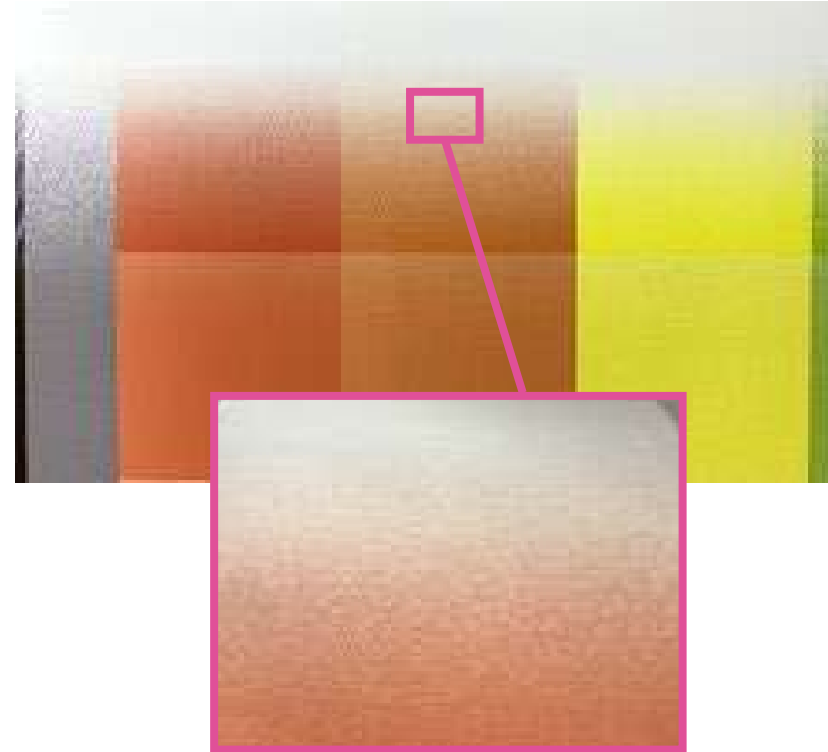
High level of user comfort

i-screen Weaving Technology – Close Up

Fine/Fog Effect



i-screen Effect



High level of user comfort

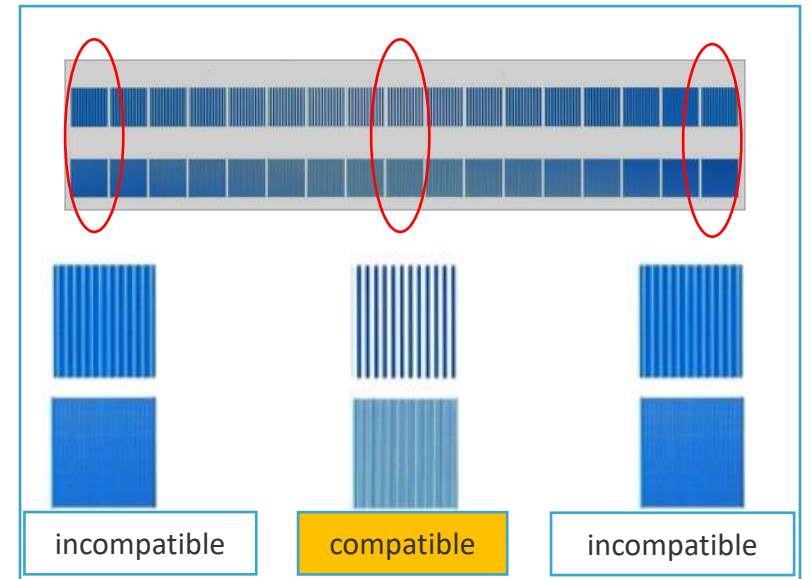
DropMaster 2



Automated bi-directional alignment through built-in colour sensor

Benefits :

- Save time : fully automated calibration¹
- Reduced waste
- No variation in adjustment among different operators



¹ : The automatic adjustment may be misleading when using an ink/substrate combination suffering from heavy cockling. Manual calibration is always possible.



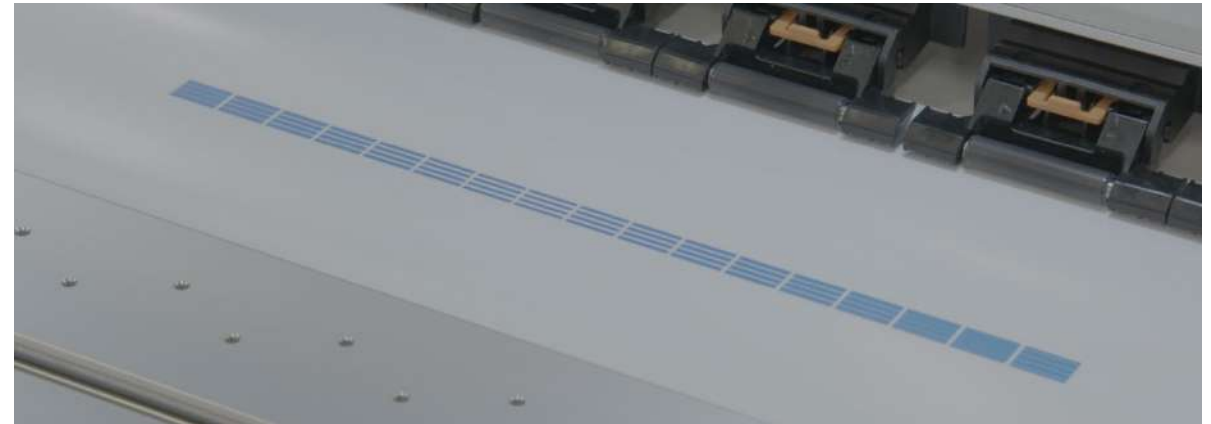
High level of user comfort

Feed Master

Automated paper feed adjustment through built-in colour sensor

Benefits :

- Fully automated calibration¹
- Reduced waste
- No variation in adjustment among different operators



¹ : Manual adjustment remains possible if it is preferred by an experienced operator.

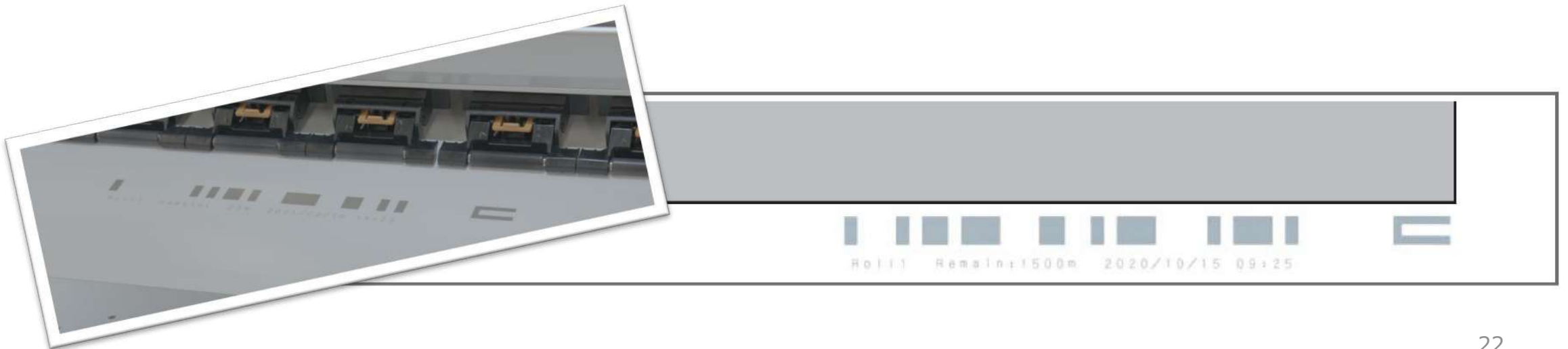
High level of user comfort

Media Tracker

1. Enter media length upon loading new media roll
2. Print bar code before removing roll in use
3. Upon reloading roll, printer will read bar code and detect how much media is left on roll

→ no waste of media, quick start!

→ ideal for businesses with multiple operators – increased efficiency



MS31 Sign & Display Inks

MS 31 - 220 ml cassettes / 1000 ml packs *



Indoor / Outdoor



- Wide colour gamut - deliver vibrant high density prints with excellent dot gain
- Print on a wide range of coated and uncoated substrates
- Suited for long term outdoor and indoor applications
- GREENGUARD Gold certification, category Wallpaper
- Excellent weather resistance, abrasion and chemical resistance
- UV durability without lamination up to 3 years outdoor **
- Operator friendly thanks to low maintenance
- 24 months shelf life
- Average ink consumption : 8 ml/m² ***



* 220 ml cassettes are the most logic choice for the XPJ-C641SR-P. However, 1000 ml MS31 ink packs can be used together with a set of ink pack adaptors VJ-HCIPADPT
The ink pack adaptors are not included in the standard unit configuration.

** 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

*** Test image: 'ISO 400 - Marketplace Antwerp' representing typical average ink consumption in sign application

MS31 - Unrestricted Level of Use

GREENGUARD Gold Certification

- MS31 inks are certified at the highest level - category Wallpaper¹ (lowest emissions) and qualified as “unrestricted” to decorate a complete room.
- Category Wallpaper means :
 - Unrestricted for a fully decorated room : 33.4 m² in an office environment and 94.6 m² in a classroom environment.

BENEFITS

- Prints can be used at full room coverage, even in sensitive environments such as schools and hospitals !
- Using GREENGUARD Gold inks widens the scope of applications !



¹ The other categories of GREENGUARD Gold certification are :

- Category Decorative Wall = one wall of less than 10.4 m²/h in office environment and less than 31.6 m² in a classroom environment
- Category Signage = sign of less than 3 m² in office environment and less than 11.9 m² in a classroom environment

Product Specifications

XpertJet C641SR Pro

Printer Model		XPJ-C641SR-P
Print head	Print method	On-demand piezo drive system
	Head height	Low: 1.5 mm / High: 2.8 mm
Media	Media width	Maximum: 630 mm, but only within the following limits: 198-228 mm, 283-313 mm, 344-374 mm, 394-424mm, 444-474 mm, 494mm-524 mm, 602-630 mm
	Maximum thickness when printing	With head low: 0.4 mm / With head high: 0.8 mm
	Maximum thickness when contour cut	0.4 mm including the release liner - 0.22 mm without release liner
	Diameter	150 mm or less
	Core diameter	2 or 3 inches
	Weight	9 kg or less
Maximum printable width / cutting width		600 mm
Cutting speed		20~150 mm/s
Cutting force		30~300 gf
Ink	Type, Color	MS31 Sign & Display inks - 4 colours (CMYK)
	Volume	MS31 : 220 ml cassettes & 1000 ml ink packs
Interface		Ethernet (10BASE-T / 100BASE-TX)
Power supply		AC100V~120V ± 10 % or 200V~240V ± 10 % , Frequency: 50/60 Hz ± 1Hz
Environmental conditions		Environment for storage : Temperature 20~32°C, Humidity 40 % RH ~ 60 % RH (no condensation)
Power consumption		Typical 215 Watt (during printing) – Peak 800 Watt (during warm-up) – Sleep ≤ 15 Watt
External dimensions		Width 1190 mm x Depth 438 mm × Height 366 mm
Weight		Body 34 kg, Stand (optional) 10.2 kg
RIP software		VerteLith (MUTOH genuine RIP software) included

МУЛТОН