

KX6U-LED

LXi8

LXRi320

KX7

JETRIX
True Flatbed UV Printers

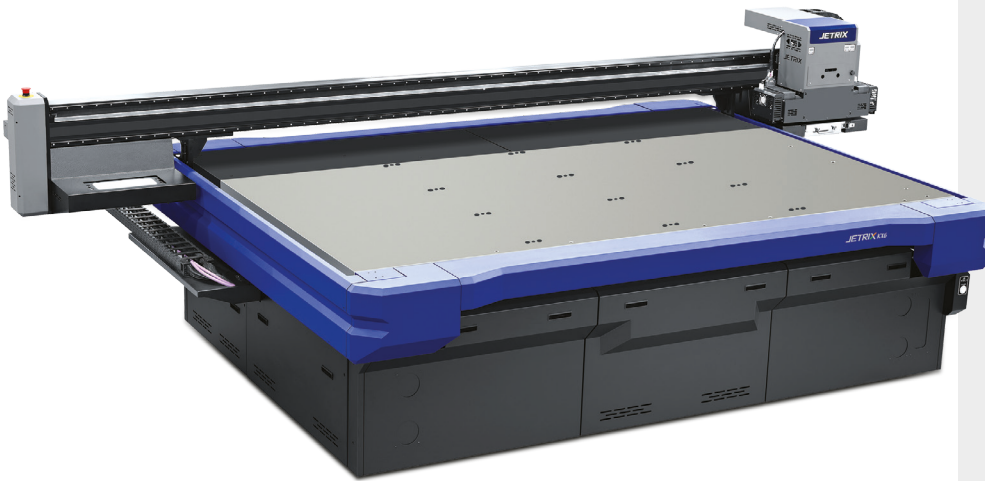
Perfect
Colours
large format print solutions

KX6U-LED PRINTER

HD print quality at 1440dpi

High speed up to 28 sqm/hr

Ultra Reliable Konica 6pl Print Head



Specification

	KX6U-LED	KX6U-LED-R
Printer Size	4,220(W) × 2,200(D) × 1,440(H)mm	4,220(W) × 2,200(D) × 1,440(H)mm
Printer Weight	1,150kg	1,600kg
Required Footprint	5,000 (W) × 2,500 (D)mm	5,000 (W) × 3,000 (D)mm

Print Width / Print Dimensions

Max Rigid Media Size	Max Media Thickness	Max Roll Media Width
2,440 × 1,220mm	100mm	2,200mm

Power and Venting Requirements

Electrical Requirement	Compressed Air Requirement
230V Single-phase 50-60hz	Over 0.5MPa

Print Speeds for Bi Directional

Printing Mode	Resolution	Sqm/hr
Fine art	1,440 x 720 dpi	9
Quality 1	1,440 x 720 dpi	14
Quality 2	1,440 x 360 dpi	19
Production	1,440 x 360 dpi	28

Head Channel (Max 6ch)

Configuration	C, M, Y, K + W + Varnish/Primer (Double Heads)
Basic	C, M, Y, K (Single heads), White (2 heads)
Option	Varnish or Primer (Single heads)

RIP Availability / Compatibility

- Print Factory, Caldera or Onyx RIP Software

★ All product specifications are subject to change without prior notice.
Appearance of equipment ordered may be different from that of equipment shown in the catalogue.
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Accurate

True Robust Flatbed for precise edge-to-edge printing

Quality

6 picoliter head nozzles provide razor sharp prints and vibrant colours

Productivity

1024 head nozzles deliver speeds up to 28sqm/hr (production mode)

Smart

Smart multi-layer printing at the same time (Colour, White, Colour etc.)

Protection

Automatic anti-head crash system protects from head damage

Safety

Motion Alarm for operator safety

Functional ink

In-built primer for strong adhesion to plastic and metal substrates. Varnish Ink optional.

Roll printing

Max 2.2m width roll to roll system (optional)

Anti-Static

Antistatic system included

White Ink

Unique white ink system for printing HD white at normal print speeds (2 white heads)

LXi8 UV-LED PRINTER

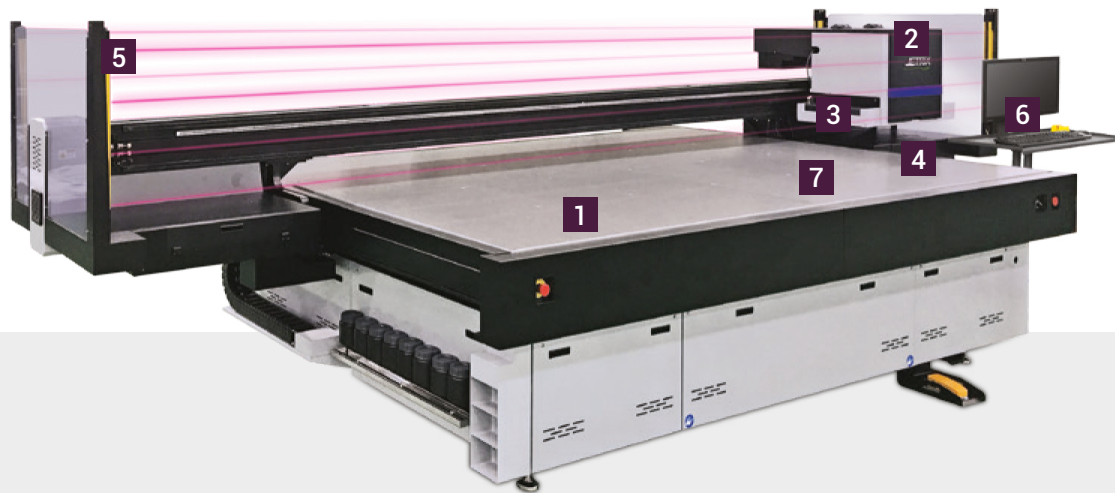
3.2m wide flatbed with ultra high printing speed and UV LED curing system

InkTec's JETRIX LXi8 production printer has a 3.2 x 2m wide flatbed, a powerful zonal vacuum system with automated pin registration for quick and accurate media placement.

It is significantly faster than previous models, with it's highest printing speed reaching up to 206sqm/h.

The innovative LED curing system, reduces operational costs by delivering an overall lower energy consumption and delivering a longer lifetime. Designed and developed with the user in mind, the LXi8 features many automated functions and safety systems for increased productivity.

The LXi8 will give new printing possibilities combined with optimal printing results.



1 Sophisticated flatbed and vacuum system

- Robust and stable flatbed, designed to meet extensive and high quality requirements
- Automatic control of the two different vacuum zones ensure substrates are held completely flat when printing

2 Latest generation Konica Minolta printheads

- Printing speeds are more than twice as fast as previous models
- Photorealistic printing achieved through high resolution and variable dot

3 Efficient LED curing system

- Extended LED lamp life time of up to 20,000 hours (compared to mercury lamps)
- Eco friendly printing with reduced energy consumption (about 35% less than compared with a mercury lamp printer)
- Risks associated with the impact of heat are eliminated, such as media deformation

4 Convenient automatic functions

- Automatic anti-head crash system,
- Automated pin registration for fast and accurate media placement
- Touch screen monitor

5 Safety functions

- Laser guided safety sensor to avoid an accident. Head carriage moves slowly when some objects are detected.
- Automatic anti-head crash system, to protect head damage

6 Advanced and user friendly GUI software

- Designed to achieve a higher quality print, with faster speeds

7 Effective anti-static system (Optional)

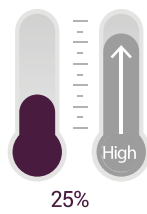
- Ionizing system added to create an extensive anti-static effect on some materials

Highly Efficient LED Curing System

5 REASONS WHY LED CURING SYSTEM IS COMPETITIVE!

- LED Lamp
- Conventional UV Lamp

Less heat



Lower electricity consumption



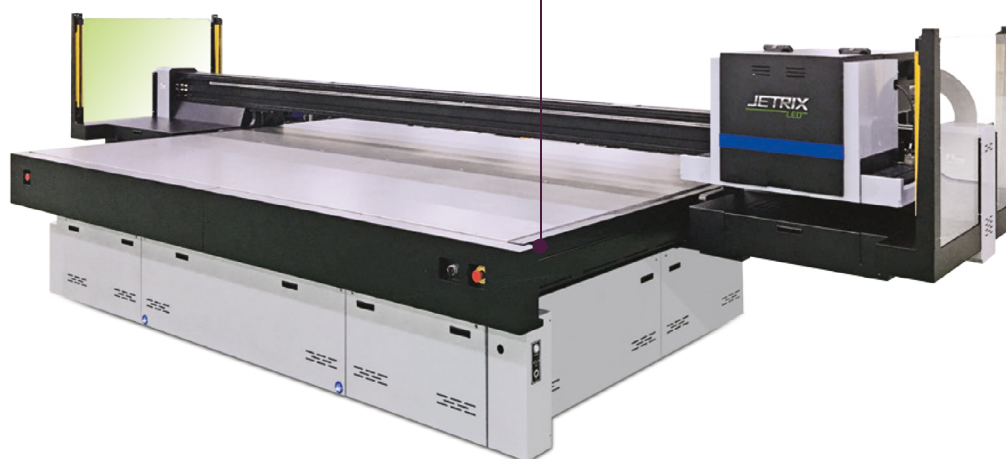
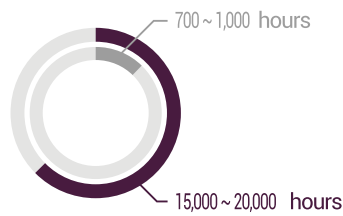
No warm-up time



Environmentally friendly

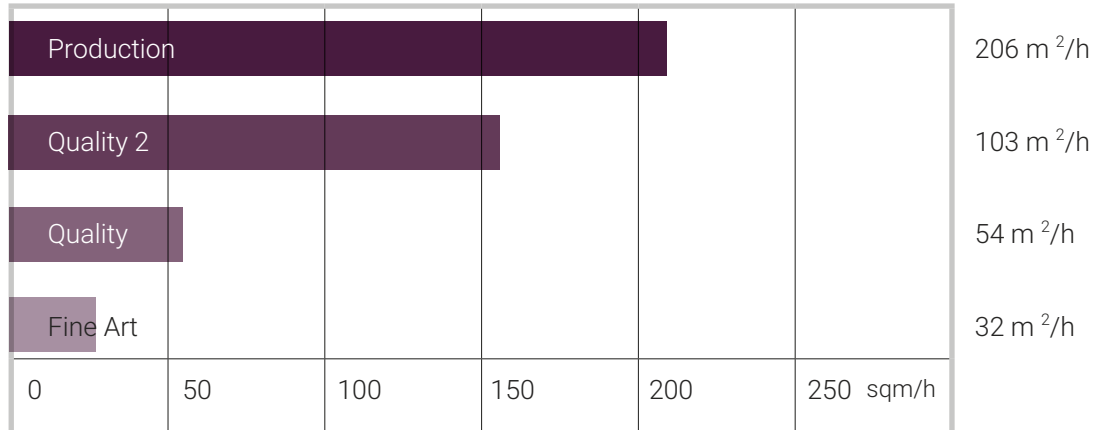


Lamp life time

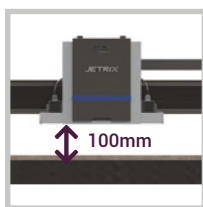


Competitive Printing Speed

LXi8 6 Colors



Optimal Printing Structure for Various Application



Maximum substrate thickness 100mm



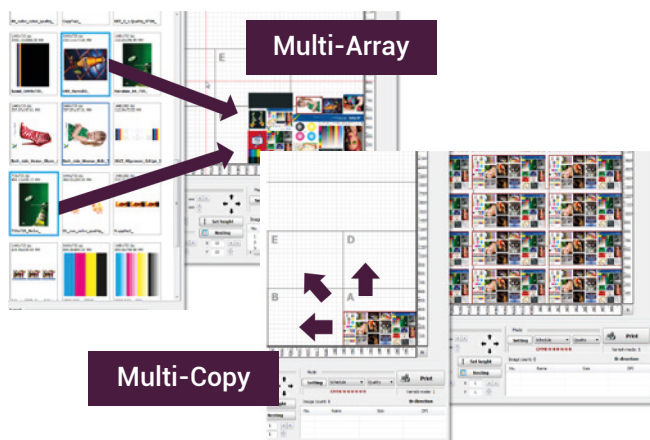
Maximum loadable weight 80kg/sqm

Powered by Dedicated Jetrix GUI Software

JETRIX GUI (GRAPHICAL USER INTERFACE) SIMPLIFIES, OPTIMIZES AND AUTOMATES AS MANY STEPS AS POSSIBLE.

Multi Array & Copy function

- After ripping an image, users can print multiple images without the requirement for any additional ripping
- Moving and nesting images is easy through Touch screen monitor.



3D Effect Printing Function

3D effect and texture printing

- 3D effect and texture printing are available by using multi layer printing



JETRIX UV LED inks

World class InkTec-made inks

InkTec UV inks have many benefits for outdoor & indoor printing due to their superior UV resistance, high color concentration and excellent adhesion. Their fast drying time, wide color gamut and high density delivers enhanced printing productivity. Furthermore, these inks are suitable for wide range of both coated and uncoated roll media, such as Flex, PVC and Vinyl and ridged substrates such as ACM, Correx, Acrylic, Glass and Foam PVC.

High quality output

The JETRIX UV inkjet inks are stable, fast curing and easy to handle. These digital inks print in sharp, vibrant colors on a wide range of flexible and rigid, coated and uncoated media. Generating high image quality, they offer an ideal solution for various indoor and outdoor applications.




Outdoor durability

The JETRIX UV inks have been formulated using only the highest quality of automotive grade pigments. The result is a high quality print with superior lightfastness for most graphical arts applications, also delivering long-term outdoor benefits. Accelerated weathering tests on different substrates indicate the outdoor durability is more than 2years under normal outdoor conditions.

Versatile functional inks and white

Varnish can be used to add impact and value, with a spot or flood varnish giving a uniform finish Primer can be used to print on difficult substrates, such as glass and metal White ink can be used to produce images on transparent or coloured materials

Colour configuration and features

	12 Channel	14 Channel	16 Channel
Configuration	 x 2	 x 2	 + Varnish/Primer x 2
Feature	Hard to crack		
	Hard to deform after printing		
	Excellent media compatibility		
	Excellent scratch resistance		

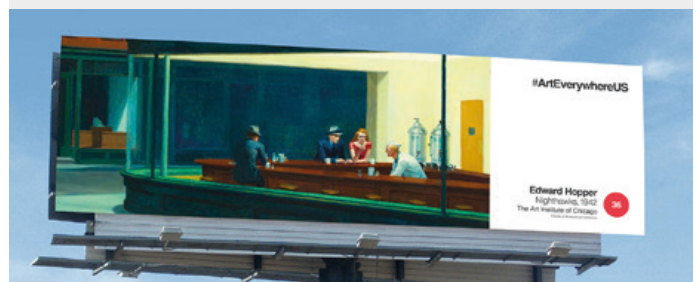


Specification

LXi8	
Head	Konica KM1024i
Resolution	1,080 x 720dpi
Rigid media size	3,200mm x 2,030mm
Rigid media thickness	100mm
Printing speed	Fine Art : 32sqm/h
	Quality : 54sqm/h
	Quality 2 : 108sqm/h
	Production : 206sqm/h
White	Available
Varnish, Primer	Available
RIP recommendation	Caldera
Dimension (W x D x H)	5,690mm x 2,300mm x 1,620mm
Electrical requirement	210~230V, Single phase, 50~60Hz, 6.9kVA
Compressed Air requirement	over 0.5MPa

Applications

Short-term outdoor signage	Industrial applications
Clear film window graphics	Industrial keypads
Interior decoration	Spot varnishing
Furniture decoration	Wood prints



LXRi320

High-quality Inktec uv-led curable inks in a high-speed entry level UV-LED 3.2M RTR

3.2M Large Format Roll To Roll Digital LED-UV Printer Konica Minolta KM1024i - 14 Heads

- Front & rear double rubber rollers & double servo motor
- Platform cooling system
- Balance suction system
- Precise media supply consistent over different media
- Specially formulated LED ink optimized for LXRi320
- Run multiple rolls on spindle
- White ink channel optional



Machine model		LXRi320			
Printhead brand		KM1024i MHE			
Printhead arrangement		up to 14 heads			
Colour option		CMYKLcLm and white			
Printing size		3.2m edge to edge			
Printing media		PVC, flex, fabric banner, backlit banner and etc.			
Printing speed	4pass	45sqm/h	single	90sqm/h	double
	6pass	30sqm/h		60sqm/h	
	8pass	22sqm/h		44sqm/h	
Air control system		negative pressure control system			
Platform type and max. resolution		RTR & up to 2160dpi			
Ink circulation system		white ink circulation			
Ink tank volume & ink level alarm		4L ink tank with ink level alarm monitor screen			
Rated voltage and power		220V / Single phase, 10A			
Curing lamp		LED lamp, 4500W			
Servo motor		R axis 750W servo motor			
Printhead protection		automatic anti-head crash system			
Ionizer		wing type 150mm auto type (optional)			
RIP software		PrintFactory, Onyx & Caldera			
Package	Dimensions	5900x1350x2020mm, 2530kg			
	Machine size	5600x1100x1450mm, 2000kg			

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CASE STUDY

GROWTH IN MOTION WITH JETRIX AND ESKO INVESTMENTS VIA PERFECT COLOURS

Leicester-based print house Motion Ltd is storming into 2016 with a series of investments in wide-format equipment from Perfect Colours. Having upgraded a previous flat-bed to the Jetrix KX7 in May 2015 after an inspiring demonstration at Sign and Digital UK, Motion managing director Phil Highton decided that doubling up was crucial in order to meet his growth ambitions and has now plumped for a Jetrix KX6 and an Esko Kongsberg XN 44 cutting table.

The UV-curable, 2.4 x 1.2m Jetrix KX6 flat-bed will work in tandem with the significantly larger KX7 2.5 x 3m to fulfill a variety of retail, point-of-sale, agency and public sector work in high demand from the local area. Via the burgeoning local agency scene Motion has worked with major brands like Marks and Spencer, Boots, Fender, the NHS and the National Space Centre, fulfilling their print requirements for roll-to-roll, rigid and narrow-format digital output.

"Motion has changed significantly over the last four years and I've invested heavily to match the targets we know we can achieve," explains Highton, who launched the company in 2000. "With the Jetrix KX7 we've been able to increase our print capacity massively, printing runs of hundreds or thousands of boards. We needed the KX6 for doubling up when we need the throughput, or be able to prototype while we're printing a full job. Both machines produce the fantastic quality we need to keep our high-end retail customers happy but also at speeds that fulfil them in plenty of time."

The Jetrix KX7 and KX6 are supplied with optional roll unit and both white ink, extending Motion's existing capabilities in the maximum-quality retail market in which it thrives. Edge-to-edge printing comes as standard and unusual media, such as acrylic, wood, glass and metal are all now within reach, and both have the ability to print on any material up to 100mm thick.

JETRIX KX7 Key Details

Max Print Width - Rigid Substrate	2440mm x 3060mm
Compatible RIP	Compatible with GMG production suite, Caldera and Onyx RIP
Print Speed	Up to 60sqm/hr



CASE STUDY

Growth In Motion With Jetrix And Esko Investments Via Perfect Colours

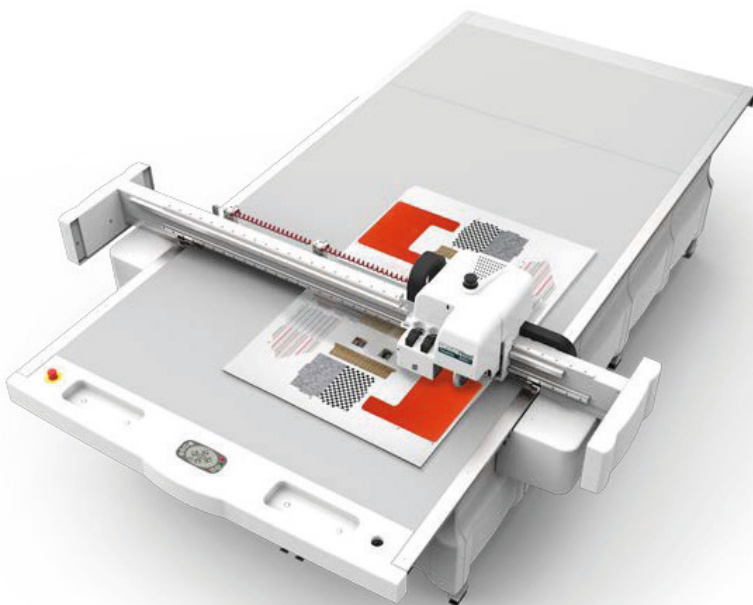
High productivity in the print process requires a fast-moving flat-bed cutter, explaining Motion's interest in the Esko Kongsberg XN 44, which sports a range of high-power milling and cutting tools that process all of these materials cleanly and quickly. *"Our old Summa F-series cutter has done us very well but simply wasn't fast enough to handle our new print capacity,"* Highton adds. *"The Kongsberg leaves a polished edge after the cut and it rattles through boards with incredible speed, matching the exceptional quality we're now able to print."*

Although Motion has been a Perfect Colours customer for inks and media for some time, it was the team that made the difference for Highton when making these investments, which are in the region of £500,000. *"I originally purchased the Jetrix KX7 through Paperlinx but the company went into administration just after; Perfect Colours took up the support for the machine without hesitation when they accepted the dealership. I've known Darren Walker for many years and the combination of his and the company's support meant that I knew I'd have the understanding I needed from my supplier as the business grows in the immediate future."*

Now, Motion's broad range of equipment allows it to produce any digital print from business cards and point-of-sale up to advertising boards, all finished and ready to hang. The eight-person business includes an artworking studio at its premises on Kingsley Street and Highton is expanding his team in line with his investments. *"I*



wanted to make sure I have the best kit, the best people working on it, and now I do," he says. *"This will let us springboard into the next new area and we are now totally prepared for growth."*



ESKO XN44 Key Details

Max. material size	2270 x 3575
Maximum speed	50 m/min – 33 IPS
No. of vacuum sections	4
Work area, all tools	2210 x 3200

CALL US
0845 680 9000

info@perfectcolours.com
perfectcolours.com

📍 **PERFECT COLOURS HEAD OFFICE**

Unit 2, Glengall Business Centre, 43-47 Glengall Road
London SE15 6NF

📍 **PERFECT COLOURS INNOVATION CENTRE**

Unit 0 Of Europa House
Sheffield Airport Business Centre Park,
Sheffield S9 1XU

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