LXi6/LXi7
UV-LED PRINTERS

JETRIX
LED

JETRIX
SIMPLE & PERFECT

JETRIX ULTRA HIGH SPEED UV LED PRINTER - LXi6/LXi7

Enjoy amazing output speeds and greatly reduced operating costs with the LXi6/LXi7 printers

InkTec's JETRIX LXi6/7 printers have 2.5m x 1.3m and 2.5m x 3.0m wide flat beds respectively combined with a powerful zonal vacuum system with automated pin registration for quick and accurate media placement.

With top printing speeds reaching up to 76 sqm/h (LXi6), 78sqm/h (LXi7), these printers offer significantly faster speeds than previous models. The innovative LED curing system, reduces operational costs by delivering an overall lower energy consumption and delivers a longer lamp lifetime. Designed and developed with the user in mind, the LXi6/LXi7 features many automated functions and safety systems for increased productivity. The LXi6/LXi7 delivers new printing possibilities combined with optimal printing results.

OUTSTANDING EXTERIOR FEATURES

Market Oriented 4' x 8' size based flat bed system
-The LXI6 can print one sheet of 4' x 8' material and the LXi7 can print two sheets of 4' x 8' material at a time.
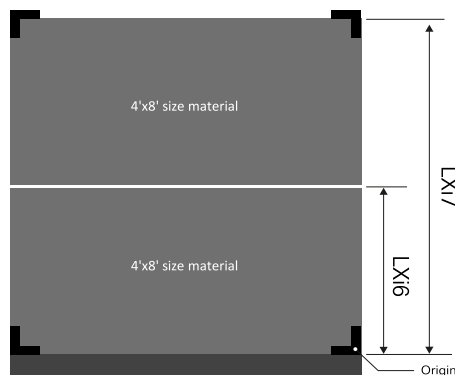
Sophisticated Flatbed and Vacuum System
- Robust and stable flatbed, designed to meet the extensive and high quality requirements
- Automatic control of the six different vacuum zones ensure substrates are held completely flat when printing

Super Fast Konica Minolta Printheads
- Printing speeds are more than twice as fast as previous models
- Photo realistic printing achieved through high resolution and variable dot printing

Efficient LED Curing System
- Extended LED lamp life of up to 20,000 hours (compared to mercury lamps)
- Eco friendly printing with reduced energy consumption
- Risks associated with the impact of heat are eliminated, such as media deformation

Convenient Automatic Functions
- Automatic nozzle cleaning system
- Automated pin registration for fast and accurate media placement
- Touch screen monitor
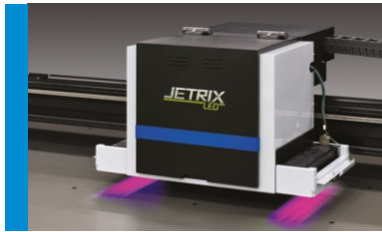
Safety Functions
- Laser guided safety sensor to avoid an accident (head carriage moves slowly when some objects are detected)
- Automatic anti-crash system to protect from head damage

Advanced and User Friendly GUI
- Designed to achieve a higher quality print with faster speeds
- Newly developed user friendly functions such as 'Drag & Print' (Patent Pending)

Effective Anti-Static System
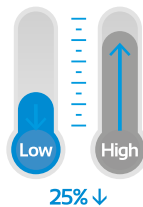- Powerful ionizing systems to eliminate static from a wide range of materials
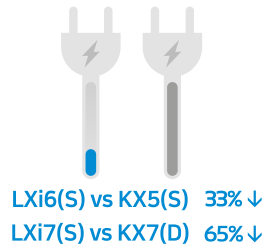
HIGHLY EFFICIENT
LED CURING
SYSTEM

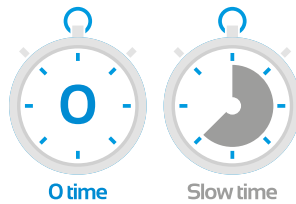■ LED Lamp
■ Conventional UV Lamp

Benefits of LED Curing

Less heat

Low   High

25% ↓

Lower electricity consumption

LXi6(S) vs KX5(S)   33% ↓
LXi7(S) vs KX7(D)   65% ↓

No warm-up time

O

O time   Slow time

Environmentally friendly

OZONE Free

No Mercury

Lamp life time

700~1,000 hours

15,000~20,000 hours
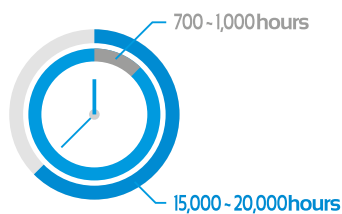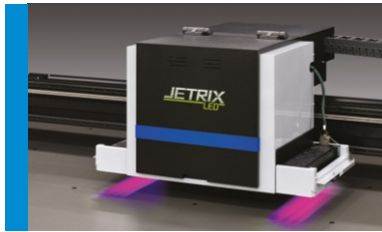
COMPETITIVE
PRINTING
SPEEDS

Printing Speeds

LXi6 / LXi7
6 colours

Mode	LXi7	LXi6
Draft	78	73
Production	44	41
Quality II	30	28
Quality I	23	21
Fine Art	13	13
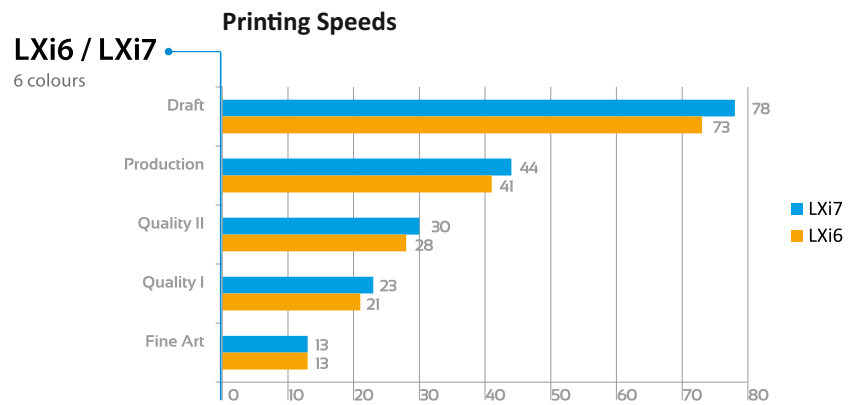
■ LXi7
■ LXi6

OPTIMAL PRINTING
STRUCTURE FOR
DIFFERENT APPLICATIONS
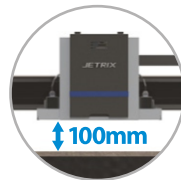
↕ 100mm

Maximum substrate
thickness 100mm

80kg

Maximum loadable
weight 80kg/sqm

Scan Direction

↕ 100mm

80kg
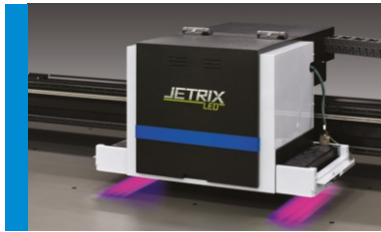
POWERED BY DEDICATED JETRIX GUI SOFTWARE

JETRIX GUI (Graphical User Interface) simplifies, optimises and automates as many steps as possible.

InkTec have developed a new JETRIX GUI (Graphical User Interface) to meet customers' increased expectations.
InkTec's innovative software is designed to achieve higher quality prints with useful together functions.
Combining the new JETRIX printer with the new JETRIX GUI, your printing performance will be maximised.

Easy Image Editing

1. Drag & Print

- Just drag an image from the work folder to the visualised flatbed on the monitor.
- The x, y coordinates are displayed in the visualised flatbed, so that users can array multiple images on the monitor easily.
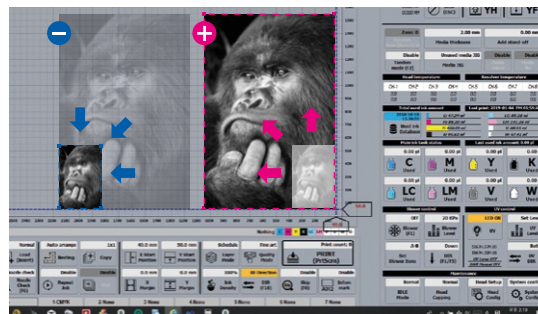

2. Multi Array & Copying

- After ripping an image, users can print multiple images without requiring any additional ripping.
- Moving and nesting images is easy through the Drag & Print function.
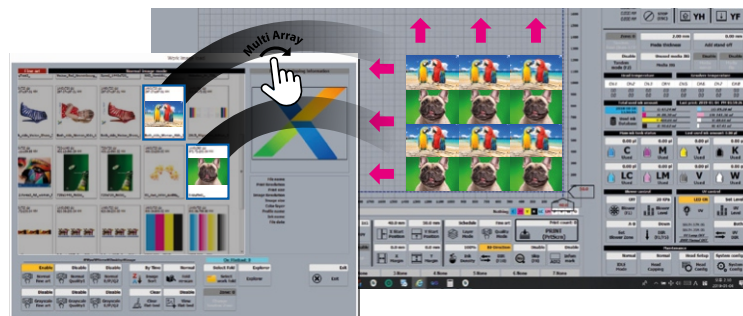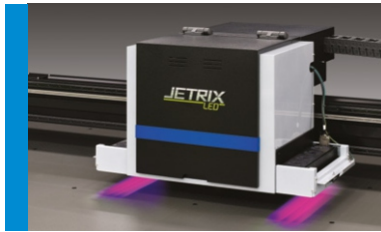

3. Re-sizing Images

- Some resolutions are reduced, but you can also easily shrink and enlarge images as required, without ripping the original.

4. Image Crop

- If required, only a part of the image can be easily extracted and printed
- The printing speed can be further enhance by using the Image Crop function.
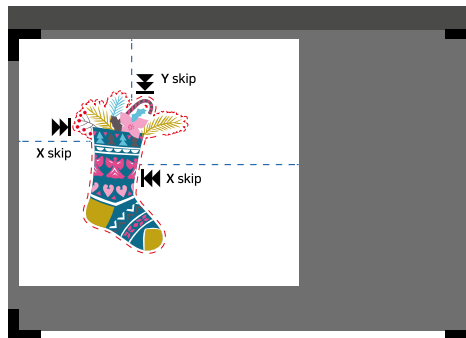
Easy and convenient applications

1. X-Y Function

- Depending on the shape of the image, the head carriage skips blank margins fast to improve productivity.

2. JIG Function

- The JIG function is designed to enable mass repetition, where convenient and accurate double-sided printing is achievable
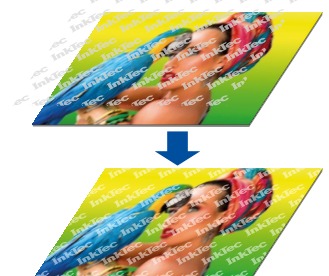

Back

Front   180°   Back

3. VDP (Variable Data Printing)
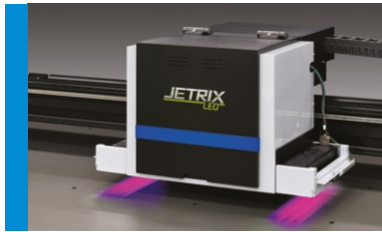
- Variable data printing is particularly relevant when different text output is required for common images such as for name badges and certificates.

4. Image Overlapping (Watermark)

- Different images can be overlapped and a watermark function can also be implemented.
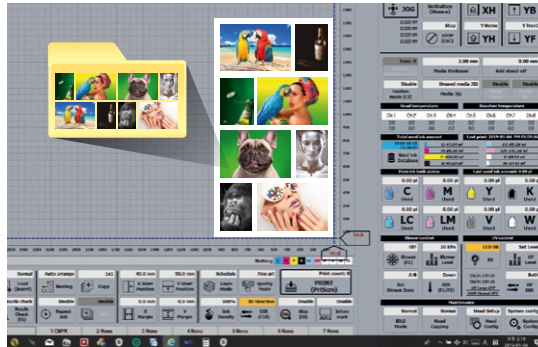
5. Thumbnail Printing

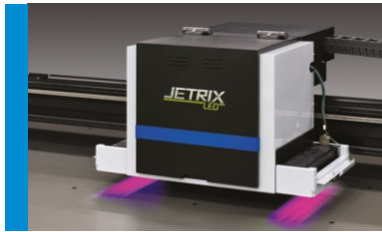- Sample images, such as thumbnails can be output without ripping.

2. Stop & Go function

 - Even if the printing stops due to a problem during printing, the printing will be resumed with the 'Stop & Go' function. Of course, it can be restarted even after arbitrary printing stops.
 - This function prevents loss of material or time due to re-printing.

STOP

GO

Do not reset!
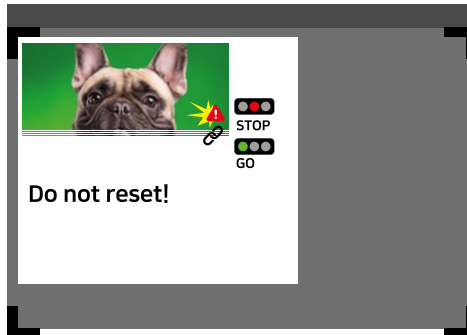
Easy Quality Control

1. Nozzle Replacement

- On the odd occasion when print problems may occur due to clogged nozzles and the automatic nozzle cleaning does not resolve the issue, the nozzle replacement function is able to replace the problem nozzle with another nozzle to enable normal output.
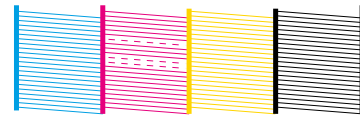
  * Recoverability of Nozzle Recovery Function is limited.

Nozzle clogged
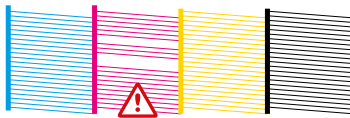
Replace

2. Variable Dot Printing

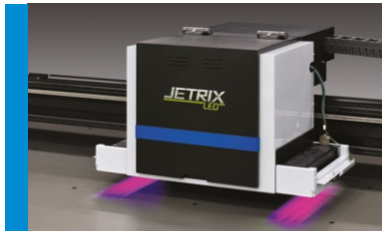Variable drop function provides different drop sizes at once to produce smooth and natural graduation, without a granular appearance.
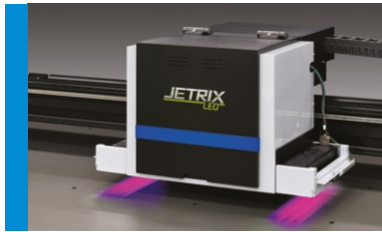
Normal   **Variable Dot**

Special application

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 Inks

Inktec UV inks have many benefitsfor indoor and outdoor printing due to their superior UV resistance, high colour concentration and excellent adhesion.

Their fast drying time, wide colour gamut and high density delivers enhanced printing productivity.
Furthermore, these inks are suitable for a wide range of both coated and uncoated roll media, such as Flex, Textile, 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 colours 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 light fastness for most graphical arts applications, also delivering long-term outdoor benefits. Accelerated weathering tests on different substrates indicate the outdoor durability is more than 2 years 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 gloss or satin 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

	6 channel	8 channel
Configuration	C,M,Y,K,LC,LM	C,M,Y,K,LC,LM, W,W
		C,M,Y,K,LC,LM, W, Varnish or Primer

model name	ULA	ULB
Feature	Standard type	Hard type
	Hard to crack	Excellent scratch resistance
	Excellent media compatibility	Superior colour gamut and vivid colour

SPECIFICATION

	LXi7	LXi6
Head	Konica KM1024i	
MAX Resolution	1080x720	
MAX Rigid Media Size	2,500mm x 3,060mm	2,500mm x 1,280mm
MAX Rigid Media Thickness	100mm	
Printing Speeds — **Fine Art**	23sqm/h	
Quality	30sqm/h	
Production	44sqm/h	
Draft	78sqm/h	
White	Available	
Varnish/Primer	Available	
RIP Recommendation	Caldera, Print Factory, Onyx	
Dimension (W x D x H)	4,220 X 4,030 X 1,440(mm)	4,220 X 2,200 X 1,440(mm)
Weight	3,000kg	1,400kg / 1,800kg (Roll)
Electrical Requirement	380VAC, 3-phase (4Wire) 50~60Hz, 11.8kVA	380VAC, 3-phase (4Wire) 50~60Hz, 9.9kVA
Compressed Air Requirement	over 0.5MPa	

APPLICATIONS

Outdoor signage

Window graphics

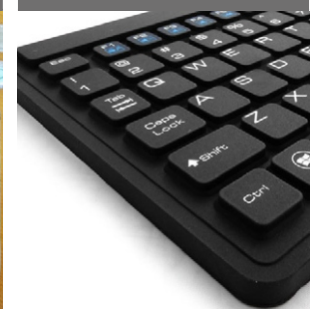**Interior decoration**
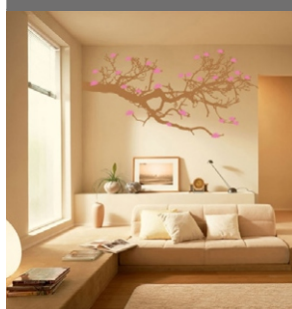
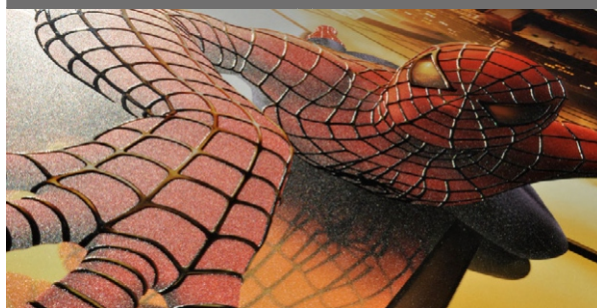**Furniture decoration**

Industrial applications

Industrial keypads

Spot varnishing

Wood prints

About InkTec R&D

As a world class printing solution provider, InkTec designs new technologies and innovates through steady investment in R&D in order to leap forward and constantly be seen as a key company specialising in digital printing.
InkTec are always striving to do their best to achieve global technical leadership, always focusing on the future of printing.

DIGITAL INKJET FRONTIER