

JETRIX
UV LED ROLL-TO-ROLL
PRINTER

LXiR320



JETRIX

JETRIX UV LED Roll-To-Roll Printer LXiR320

Max out your performance, efficiency and quality with the JETRIX LXiR320

The JETRIX LXiR320 offers maximum productivity with its high speed printheads with minimal energy usage from the latest LED curing system, which reduces operational costs significantly compared to the competition. The JETRIX LXiR320 can also handle multi roll printing up to 3 rolls. This option enables you to increase your productivity when printing on smaller media—whether it is paper, vinyl or polyester. In addition, its robust media capability allows a single roll up to 100kgs (220lb) and front & rear double rollers offers accurate feeding system.

JETRIX LXiR320 is a technically advanced entry level 3.2 meter LED Roll-To-Roll printer which gives high-speed printing possibilities combined with superb results at an extremely competitive price.

Outstanding exterior features

State-of-the-art high-speed head

- High speed Konica Minolta 1024i printhead (Maximum 14 heads / 13picoliter)
- Photorealistic printing achieved through high resolution and variable dot
- Upgradable from single head array to double head array (from 7 heads to 14 heads)

Accurate feeding system

- Rubber rollers on the front and double rollers on the rear
- Air shaft system included to hold the media roll tightly
- Precise feeding result on various materials (PVC, Flex and other flexible media)

Efficient LED curing system

- Extended LED lamp life time of up to 10,000 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

Productive multi-roll system applied - Enhanced productivity through dual mounting

Effective anti-static system - Powerful Ionizing system to eliminate static from a wide range of materials

Individual ink temperature control system - Optimum ink jetting through individual temperature control system

Convenient and safe functions

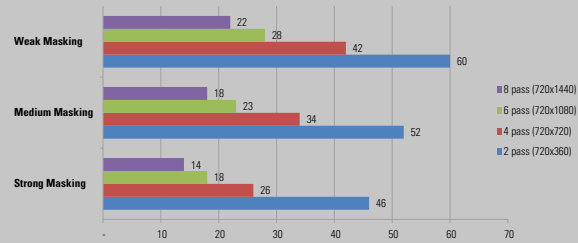
- Platform cooling system
- Anti-head crush
- Balanced vacuum system
- Foot switch for single person operation



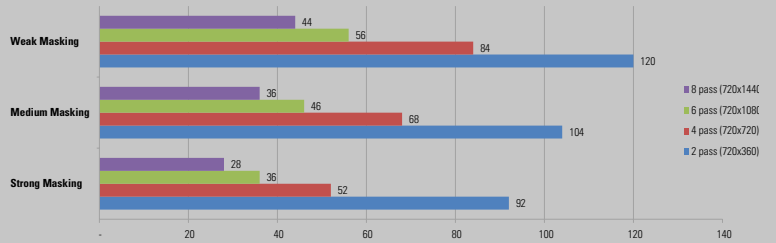
Competitive Printing Speed

Competitive productivity with speed up to 120sqm/h

* Single Head array (6-7heads)



* Double Head array (12~14 heads)



Estimate annual sales profit (1 year)

| Printing Mode (Medium Masking) | Head Configuration | Total Production (m ²) | | | Annual | | |
|--------------------------------|--------------------|------------------------------------|------------------|------------------|----------------------|--|---------------------------|
| | | 1 Day (8 hour) | 1 Month (20 Day) | 1 Year (12month) | Estimated Revenue(€) | Estimated Consumable Cost(€) (Ink + Media) | Estimated Salse Profit(€) |
| 720x360, 2Pass | Single | 416 | 8,320 | 99,840 | € 699,000 | € 239,000 | € 460,000 |
| | Double | 832 | 16,640 | 199,680 | € 1,398,000 | € 617,000 | € 781,000 |
| 720x720, 4Pass | Single | 272 | 5,440 | 65,280 | € 457,000 | € 156,000 | € 301,000 |
| | Double | 544 | 10,880 | 130,560 | € 914,000 | € 404,000 | € 510,000 |
| 720x1080, 6Pass | Single | 184 | 3,680 | 44,160 | € 309,000 | € 109,000 | € 200,000 |
| | Double | 368 | 7,360 | 88,320 | € 618,000 | € 287,000 | € 331,000 |
| 720x1440, 8Pass | Single | 144 | 2,880 | 34,560 | € 242,000 | € 86,000 | € 156,000 |
| | Double | 288 | 5,760 | 69,120 | € 484,000 | € 226,000 | € 258,000 |

- Results may vary depending on the material used and the capabilities of the operator.



Highly Efficient LED curing system
Key advantages of LED curing

Less heat

25% ↓

No warm-up time

0 time

Lamp life time

700-1000 hours
10,000 hours

Lower electricity consumption

Environmentally friendly

OZONE Free
No Mercury

JETRIX UV LED inks for Roll-To-Roll printer

JETRIX



JETRIX UV LED inks for Roll-To-Roll printer

World class tailor-made inks from InkTec

InkTec UV inks have many benefits for outdoor & indoor printing due to their superior UV resistance, high color concentration and excellent adhesion.

Their wide color gamut and high density delivers enhanced printing productivity.

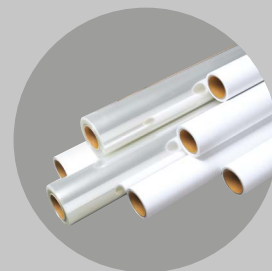
Furthermore, these inks are suitable for wide range of both coated and uncoated roll media, such as Flex, PVC, vinyl and other flexible substrates.

Main Features

- Suitable for Roll-To-Roll applications
- Excellent media adhesion
- Fast cure for high production output (UV LED lamps)
- Good scratch and abrasion resistance
- Superior printing stability
- Bright vibrant colors
- Superior white opacity (white ink)
- Suitable for uncoated materials
- No harmful chemical (NVC free and zero VOC's)

Compatible substrates

- PVC
- Self-adhesive Vinyl
- PET
- Flex
- Poster Paper
- Fabric banner



PRODUCT OFFERING

| Color | Model |
|-----------------|------------|
| ● Black | ULE-B01LB |
| ● Cyan | ULE-B01LC |
| ● Magenta | ULE-B01LM |
| ● Yellow | ULE-B01LY |
| ● Light Cyan | ULE-B01LLC |
| ● Light Magenta | ULE-B01LLM |
| ○ White | ULE-B01LW |

JETRIX UV LED inks for Roll-To-Roll printer

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Specification

| | | |
|------------------------|---|---|
| Head | Konica KM1024i | |
| Printhead arrangement | Max 14 heads | |
| Resolution (dpi) | 720x1440 | |
| Printing width | 3.2m edge to edge | |
| Printing media | PVC, Flex, Fabric banner, flexible substrates | |
| Air control system | Negative pressure control system | |
| Ink circulation system | White ink circulation | |
| Operation conditions | Power | 220Vac / 1P(2W)+PE / 50-60Hz / 25A (SCR-6KA), 4300W |
| | Compressed Air | 0.7MPa |
| Curing Lamp | LED lamp, 1,200mW | |
| Servo motor | R axis 750W servo motor | |
| Package | Dimensions | 5820x2260x2060mm / 2,775kg |
| | Machine size | 5600x1400x1450 / 2,150kg |
| RIP software | Caldera | |

Applications

Outdoor signage



Window graphics



Poster



Banner & Flag



Short-term P.O.P



Wallpaper



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.

InkTec

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Note The information contained in this technical data sheet are based on our present experience and knowledge.

In consideration of the various factors which can effect the results achieved in the final application, InkTec doesn't take any responsibility for an improper use of the product by the user which can violate or damage rights of third parties.

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