
JETRIX

SIMPLE & PERFECT
Wide format UV-curable flatbed inkjet printer





Simple & Perfect

The Jetrix series of true flat-bed UV printers are the perfect solution for indoor, outdoor and Industrial applications. Its robust bed, smart vacuum and versa drop ink technologies ensure a perfect result on each and every print.

Wide-format UV Curable inkjet Flatbed Printers

InkTec inkjet technology provides high quality print with outstanding productivity. InkTec designs and manufactures UV printers, the JETRIX series, and high quality UV ink using the most advanced technology and highly skilled staff.

About InkTec

Since its establishment in 1992 with the slogan, "Today's technology is never good enough for us," InkTec has enjoyed exceptional growth and received great recognition, mainly due to the superior quality of our products and customised services. InkTec has now set up well established business partners in more than 120 countries.

As a world-class leading company in inkjet applications, we also focus on researching the next generation technologies such UV curing inks and silver conductive inks, TEC (Transparent Electronic Conductive) based on inkjet technology, which is not only for expanding our business in allied industries but also contributing toward development of inkjet applications.

All of InkTec products and services come with a 100% satisfaction guarantee.

InkTec Division

Desktop Division

LFP Division

Printed Electronics Division

Printing System Division

New
KX5 / KX5-R
Standard Flatbed with RtoR option

New JETRIX KX5 series, coming with reliable quality & productivity & functionality for the various application with the special UV inks for faster drying and better adhesion on your wide format print-work with a beautiful colour gamut

*Coming soon!
KX5D/ KX5D-R series with Double*



KX5 Height • 1440mm / Width • 4220mm / Depth • 2200mm / Weight • 1.8 ton / Required Footprint • 5000 × 2500mm / Made in Korea
KX5-R Height • 1440mm / Width • 4220mm / Depth • 2775mm / Weight • 2.1ton / Required Footprint • 5000 × 3000mm / Made in Korea

heads

Dedicate!

True robust flatbed for unfulfilled high quality demands

Quality!

6 picoliter head nozzle provides a sharp & high-resolution prints with edge-to-edge sharpness

Productivity!

1024 nozzles for each color delivery up to 30 sqm/hr (Production mode)

Smart!

Smart 2 & 3 layer printing at a same time (Color, White/ Color, White, Color/ etc.)

Protection!

Automatic anti-head crash system protects from head damages during printing as a standard

Safety!

Alarming sound let operator take precaution for Motion working.

Convenient!

Adjust the flatbed on the top and side to make you more easy installation.

Functional ink!

Supplied with a special Varnish and Primer for your exclusive printing job

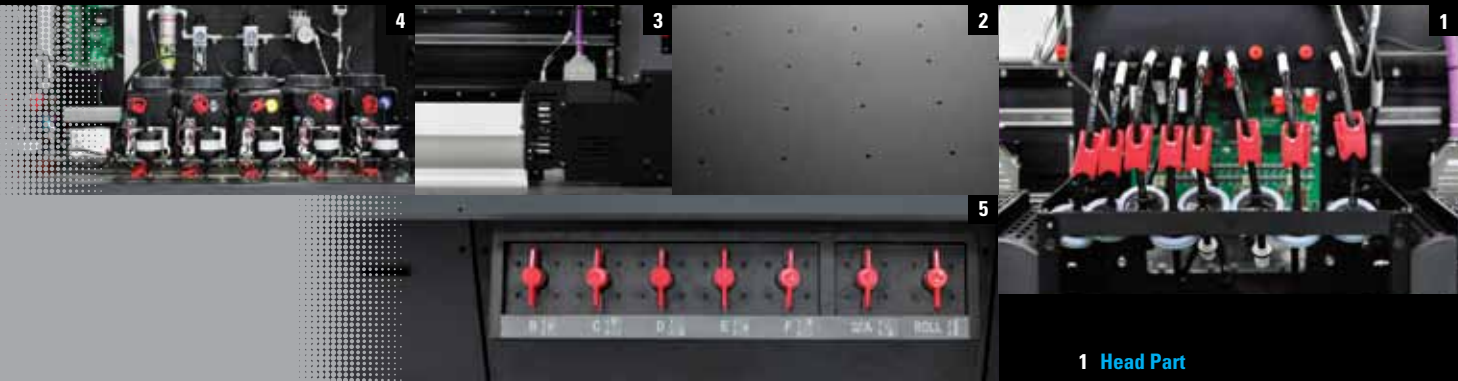
Roll printing!!

Max 2.19m width roll to roll system (option)

Optional functionality!

Antistatic can be installed as an option.

Next generation of JETRIX KX5 / KX5-R



- 1 Head Part
- 2 Flatbed Part
- 3 Anti head crash Part
- 4 Ink Refill Part
- 5 Vacuum Part

Print Width/ Print Dimensions

Max Rigid Media Size	2440(2500) × 1220(1300)mm
Max Media Thickness	100mm
Max Roll Media Width	2190mm

1.22m × 2.44m Boards per Hour (BPH)

Production	10.1 BPH
Quality	5.0 BPH
Fine Art	3.4 BPH

UV Lamp Intensity Settings

(One lamp on each side of print head)

UV lamps have shutter activated housings and can cure in single, double or post process mode

Head Channel (Max 7ch.)

- Basic : CMYK(Single head), White(Double heads) / 6picoliter
- Option : Varnish/Primer(Switchable)(Single head), 6picoliter

Activities for Standard Routine Maintenance

The manufacturer has identified the following activities as standard routine maintenance.

Frequency of the activity and the time required to perform are included.

Activity	Frequency	Time to Perform
Head Wiping	Daily	1 ~ 5 minutes
Clean Heads/ Purge	Daily	1 ~ 5 minutes

RIP Availability/ Compatibility

Caldera, Onyx, Shiraz RIP software

Power and Venting Requirements

Electrical Requirement	210 ~ 230V, Single phase, 50 ~ 60Hz
Compressed Air Requirement	over 0.5MPa
Other Power Requirement(s)	None
Venting Required	None
UV Light Exposure	N/A
Exposed Moving Parts	N/A

Print Speeds for Bi Directional

※ Above printing modes can be changed by software upgrade and the speeds of RtoR printing are about 15% less than flatbed.

Printing Mode	Resolution	Pass	Reference Size	m ² /hr
Production	1440 x 360 dpi	4pass	2440 × 1220mm	30
Quality	1440 x 720 dpi	8pass	2440 × 1220mm	15
Fine art	1440 x 720 dpi	12pass	2440 × 1220mm	10

Number of Colors

- 5 Colors (CMYK & White)
- Functional inks (Varnish/Primer) & Cleaning solution
- 1L refill ink type(Bottle), CMYK(5L ink tank) + White/Varnish/Primer(1.5L ink tank)

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. All brand name and trademarks are property of their respective owners

Dedicate!

True robust flatbed for unfulfilled high quality demands

Quality!

6 picoliter head nozzle provides a sharp & high-resolution prints with edge-to-edge sharpness

Productivity!

2048 nozzles for each color delivery up to 60 sqm/hr (Production mode)

Smart!

Smart 2 & 3 layer printing at a same time (Color, White/ Color, White, Color/ etc.)

Protection!

Automatic anti-head crash system protects from head damages during printing as a standard

Safety!

Alarming sound let operator take precaution for Motion working.

Convenient!

Adjust the flatbed on the top and side to make you more easy installation.

Functional ink!

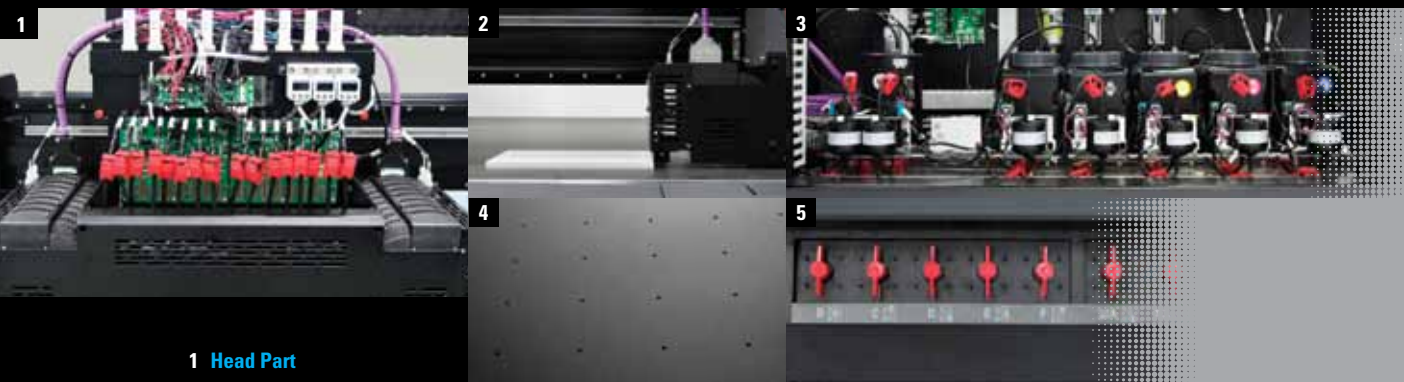
Supplied with a special Varnish and Primer for your exclusive printing job

Roll printing!!

Max 2.19m width roll to roll system (option)

Optional functionality!

Antistatic can be installed as an option.



- 1 Head Part
- 2 Anti head crash Part
- 3 Ink Refill Part
- 4 Flatbed Part
- 5 Vacuum Part

Next generation of JETRIX **KX7 / KX7-R**

Print Width/ Print Dimensions

Max Rigid Media Size	2440(2500) × 3060mm
Max Media Thickness	100mm
Max Roll Media Width	2190mm

2m × 3m Boards per Hour (BPH)

Production	9.8 BPH
Quality	4.9 BPH
Fine Art	3.3 BPH

UV Lamp Intensity Settings

(One lamp on each side of print head)

UV lamps have shutter activated housings and can cure in single, double or post process mode

Head Channel (Max 14ch.)

- Basic : CMYK(Double heads), White(4 heads) / 6picoliter
- Option : Varnish/Primer(Switchable)(Double heads), 6picoliter

Activities for Standard Routine Maintenance

The manufacturer has identified the following activities as standard routine maintenance.

Frequency of the activity and the time required to perform are included.

Activity	Frequency	Time to Perform
Head Wiping	Daily	1 ~ 5 minutes
Clean Heads/ Purge	Daily	1 ~ 5 minutes

RIP Availability/ Compatibility

Caldera, Onyx, Shiraz RIP software

Power and Venting Requirements

Electrical Requirement	380V, Three phase, 4-Wire, 50 ~ 60Hz
Compressed Air Requirement	over 0.5MPa
Other Power Requirement(s)	None
Venting Required	None
UV Light Exposure	N/A
Exposed Moving Parts	N/A

Print Speeds for Bi Directional

※ Above printing modes can be changed by software upgrade and the speeds of RtoR printing are about 15% less than flatbed.

Printing Mode	Resolution	Pass	Reference Size	m ² /hr
Production	1440 x 360 dpi	4pass	2000 × 3000mm	60
Quality	1440 x 720 dpi	8pass	2000 × 3000mm	30
Fine art	1440 x 720 dpi	12pass	2000 × 3000mm	20

Number of Colors

- 5 Colors (CMYK & White)
- Functional inks (Varnish/Primer) & Cleaning solution
- 1L refill ink type(Bottle),
CMYK(5L ink tank) + White/Varnish/Primer(1.5L ink tank)

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Coming
SOON

KX7 / KX7-R

Large Flatbed with RtoR option

New JETRIX KX7 series, Coming with Reliable quality & productivity & functionality for the various application with the double heads function with the special UV inks for faster drying and better adhesion on your wide format print-work with a beautiful colour gamut.



KX7 Height • 1440mm / Width • 4220mm / Depth • 4030mm / Weight • 2.3 ton / Required Footprint • 5000 × 4600mm / Made in Korea

KX7-R Height • 1440mm / Width • 4220mm / Depth • 4535mm / Weight • 2.6 ton / Required Footprint • 5000 × 5100mm / Made in Korea

KX3

Smart & Compact

The Jetrix KX3 is a compact 1.2m x 1.2m Flatbed printer. It's smaller in size than the other models in the range, which is ideal for print companies who have a limited amount of space. As you would expect, it is very robust and extremely well engineered, using the best components from around the World

Special Spot Varnish is available



Height • 1383mm / Width • 2480mm / Depth • 1858mm / Weight • 1 ton /
Required Footprint • 2600 x 2000mm / Made in Korea

New version of 1212FK KX3



Compact!

Designed for easy use & installation



Quality!

6 picolitre head provided high-res razor sharp images for edge-to-edge printing



Productivity!

Max 1024 nozzles for each colour with potential speeds of up to 26sqm/her (Production Mode)



Functionality!

Supplied with special water-resistant UV ink for plastic substrates



Smart!

Clever multi-layer printing system for printing up to 3 layers at the same time



Protection!

Automatic anti-head crash system prevents head damage while printing



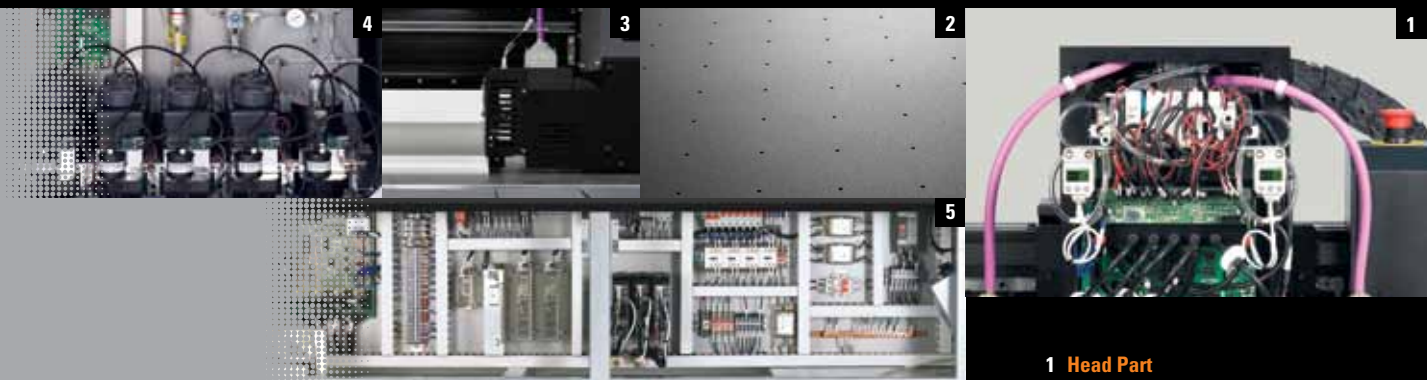
Enhanced Safety!

New motion warning alarm for operator safety while machine is in use.



Options!

Anti-static device available



- 1 Head Part
- 2 Flatbed Part
- 3 Anti head crash Part
- 4 Ink Refill Part
- 5 Hardware control Part

Print Width/ Print Dimensions

Max Rigid Print Size	1220 x 1220mm
Max Media Thickness	70mm

Head Channel

- Basic : CMYK, Single head, 6picoliter
- Option : Max 6ch. (Double White or 1 White and 1 functional ink)

RIP Availability/ Compatibility

Caldera, Onyx RIP software

UV Lamp Intensity Settings

(One lamp on each side of print head)

UV lamps have shutter activated housings and can cure in single, double or post process mode

Activities for Standard Routine Maintenance

The manufacturer has identified the following activities as standard routine maintenance. Frequency of the activity and the time required to perform are included.

Activity	Frequency	Time to Perform
Head Wiping	Daily	1 ~ 5 minutes
Clean Heads/ Purge	Daily	1 ~ 5 minutes

Power and Venting Requirements

Electrical Requirement	210~230V, Single phase, 50 ~ 60Hz
Compressed Air Requirement	over 0.5MPa
Other Power Requirement(s)	None
Venting Required	None
UV Light Exposure	N/A
Exposed Moving Parts	N/A

Print Speeds for Bi Directional

Printing Mode	Resolution (dpi)	Pass	Printing Size	Printing Speed (Sq.m/Hr)	Printing Speed (Sq.Ft/Hr)
Super Fine	1440x720	16	1.2m x 1.2m	4.8	52
Photo Fine		12		6.3	68
Fine Art	1440x720	12		8.5	92
Quality		8		13.3	143
Production	1440 x 360	4		26.4	284

※ About printing modes can be changed by software update

Number of Colors

- 5 Colors (CMYK & White)
- Functional inks (Varnish/Primer) & Cleaning solution
- 1L refill ink type(Bottle), CMYK(5L ink tank) + White/Varnish/Primer(1.5L ink tank)

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.



Productivity!

Max 2048 nozzles for each colour with potential speeds of up to 55sqm/her (Production Mode)



New Larger Size bed!

Flat-bed 3060mm x 2050m (Euro Footprint) allows more space for bigger jobs.



Protection!

Automatic anti-head crash system prevents head damage while printing



Features!

Reverse vacuum function for manoeuvring heavy materials on the bed



Smart!

Clever multi-layer printing system for printing up to 3 layers at the same time



Roll Media!

Roll-to-roll system produces excellent results.



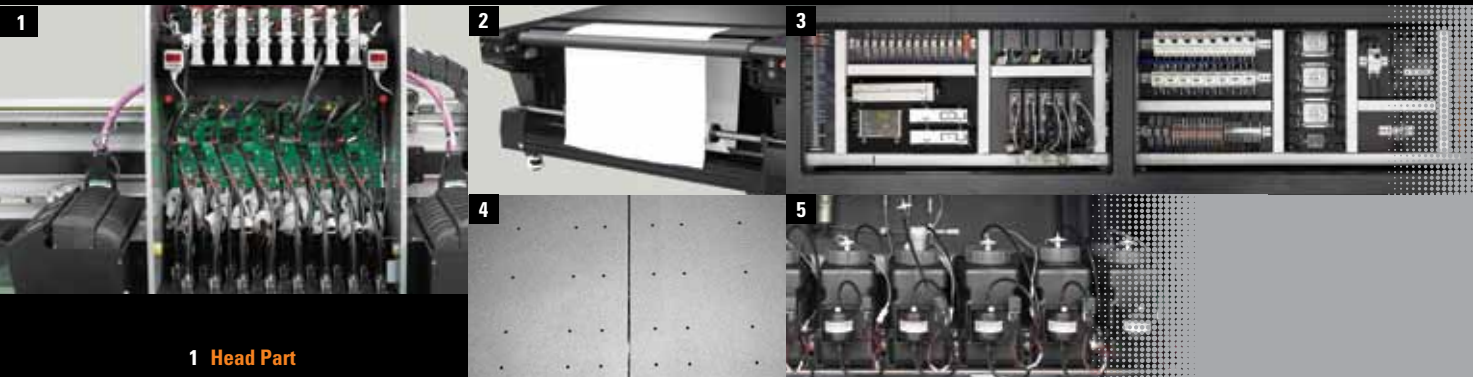
Enhanced Safety!

New motion warning alarm for operator safety whilst machine is in use



Options!

Anti-static device available



- 1 Head Part
- 2 Roll Printing Part
- 3 Hardware control Part
- 4 Flatbed Part
- 5 Ink Refill Part

NEXT GENERATION OF JETRIX

2030FRK

Print Width/ Print Dimensions

Max Roll Print Width	63inch, 1620mm
Max Rigid Print Size	2M x 3M
Max Media Thickness	60mm

Number of Colors

- 8Colors (C, M, Y, K, LC, LM, White, Primer) with Cleaning solution

RIP Availability/ Compatibility

Caldera, Onyx, Shiraz RIP software

Print Speeds for Bi Directional

Printing Mode	Time	Size	Sq.Ft/Hr	Sqm/Hr	Board Per Hour
Production	6m 33sec	2M x 3M	592	55	9.1 BPH
Quality	9m 44sec	2M x 3M	398	37	6.1 BPH
Fine art	18m 00sec	2M x 3M	215	20	3.3 BPH

Activities for Standard Routine Maintenance

The manufacturer has identified the following activities as standard routine maintenance. Frequency of the activity and the time required to perform are included.

Activity	Frequency	Time to Perform
Head Wiping	Daily	1 ~ 5 minutes
Clean Heads/ Purge	Daily	1 ~ 5 minutes

Power and Venting Requirements

Electrical Requirement	380V, Three phase, 4-wire, 50-60Hz
Compressed Air Requirement	over 0.5MPa
Other Power Requirement(s)	None
Venting Required	Yes
UV Light Exposure	N/A
MSDS for OEM ink set	Upon Request

UV Lamp Intensity Settings

(One lamp on each side of print head)

UV lamps have shutter activated housings and can cure in single, double or post process mode

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2030FRK

Large Flatbed with RtoR option

The Jetrix 2030 is the fastest printer in the Jetrix range, with a production speed of 55sqm per hour. It comes with Light Cyan and Light Magenta and an optional White ink, for production of stunning graphics at amazing speeds. It also boasts a primer function for printing on to traditionally difficult substrates, such as glass and metals.



Height • 1450mm / Width • 3780mm / Depth • 4471mm / Weight • 2 ton /
Required Footprint • 5000mm × 6000mm / Made in Korea



UV-Curing Inkjet Inks For Digitally Printing Graphics

*The JETRIX UV inks have excellent ink characteristics
which result in outstanding images*



- Long shelf life
- Outstanding jetting behavior
- Fast curing for high productivity
- Intense and wide color gamut
- Recommended for internal and external applications
- Excellent light fastness and Weatherability
- Good chemical and surface resistance
- Wide adhesion range (Special inkjet primer)
- Ultra Low odor

Properties

The products are intended for jetting through piezo DOD printheads at elevated temperatures. The inks offer superb dot reproduction, light fast bright colors, and adhere to a wide range of rigid and flexible uncoated materials.

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 based on the highest quality of Automotive grade pigments. The result is a high quality image with superior lightfastness for most graphic arts applications and also long-term outdoor applications. Accelerated weathering tests on different substrates indicate an outdoor durability is more than 2~3 years under normal outdoor conditions

Color Range

IUSS series(Standrad Type) Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Varnish, Primer(s), Cleaning solution

IUKS series(Rigid Type) Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Primer(s), Cleaning solution

IUKF series(Flexible Type) Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Cleaning solution

IUMS series(Standrad Type) Cyan, Magenta, Yellow, Black, White, Varnish, Cleaning solution

All inks are packed in bottle, easy to handle 1 L HDPE black bottles.

Shelf Life

13 months (White ink_9 months)

Application Range

The InkTec` UV Curable inkjet inks are designed to perform as a versatile, Graphic Arts printing that provides excellent adhesion and durability on a variety of flexible and rigid media, including

- Acrylic
- Coroplast
- Polycarbonate
- Plexiglass
- Dibond
- Polystyrene
- Polyvinyl chloride (PVC, rigid and flexible)
- Acrylonitrile butadiene styrene (ABS)
- Many others

※ Adhesion to unordinary kinds of materials such as plastics can be achieved with a Primer after adequate surface treatment



Specifications

Product	Viscosity (cps)		Surface tension (dynes/cm)	Cure Dose (mJ/cm ²)	Recommend lamp High pressure mercury lamp
	25℃	45℃			
IUSS (Standard ink)	23-25	11-12	27	250	A, H, D

Printhead Compatibility : DIMATIX Sapphire & Polaris, Ricoh, etc.

Product	Viscosity (cps)		Surface tension (dynes/cm)	Cure Dose (mJ/cm ²)	Recommend lamp High pressure mercury lamp
	25℃	45℃			
IUKS (Rigid ink)	20-22	9-10	30	250	A, H, D
IUKF (Flexible ink)	20-22	9-10	30	250	A, H, D
IUMS (Standard ink)	20-22	9-10	30	250	A, H, D

Printhead Compatibility : Konica Minolta, Toshiba, Xaar, etc.

Curing Information

Excellent cure and adhesion are achieved immediately on curing. But, maximum adhesion, chemical, scuff and scratch resistance may not obtained until 24 hours after initial curing. Actual cure dose required will depend on thickness, substrate and the UV-curing lamps being used. (*. 250 mJ/cm²)

Storage

The products should not be stored in direct sunlight or near heat object and should be kept away from peroxides. In the interest of maximum shelf-life storage temperatures should be between 5℃ and 25℃ (*.maximum_under 40℃)

Environmental Information

- Ozone – free
- Hydrocarbons – free
- Volatile Organic Compounds – free

This information has been carefully compiled from experience gained in the laboratory and under commercial conditions. However, the product's performance and its suitability for the customer's purpose depend on the particular conditions of use. We recommend that customers satisfy themselves that each product meets their requirements in all respects. Subject to change without notice. All sales are subject to our standard terms and conditions of sale.

※ All brand name and trademarks are property of their respective

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