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inkrangTM

Ink & Cartridge for
Inkjet Large Format Printers



RED GIANT

Inkrang*

The brand name of our product line is "Inkrang",
which means outputting the best images "with our inks" in Korean



Imagine Your Best Printing with REDGIANT

as a leading manufacturer of high-quality inkjet ink in Korea, REDGiant has gained high market shares and accumulated good reputation and credibility by offering excellent quality products at a prompt customer service. We began overseas marketing in 2000, and since then, we have been exporting our products to European and American countries etc. Further, we've been attempting to satisfy customer demands by providing our products of the best quality.

REDGiant takes responsibility for the entire manufacturing process of "compatible ink," including QC, in order to provide products of better quality by effective process management. Encouraged by the successful operation of the inkjet ink business, REDGiant has expanded its business scope through continuous investment in R&D to offer various ink types.

Our full line-up has been received great reputation in the market, we are confident that our products will be the best of customer's needs. We will optimize the performance of our products.

Get your market successfully with REDGiant !

2000	Establishment Of Company and R&D center
2002	Registration Of Our Trademark
2003	Registered One Utility patent Establishment Of China Branch
2004	Moved head office In Gasan-Digital Valley Registered Three Korean patents
2005	Registered Two Korean patents

2006	Promising Export Firm By Korean government
2007	Establishment of USA Branch
2013	Developed ink For Eco-Sol Max 2
2014	Equity Exceed \$8million Award for Outstanding Export Performance Issued by Korean government
2015	Moved Head Office in Shihwa MTV

Why REDGIANT?

- Quality No.1 company in Korea
- Made in Korea & differentiated Raw materials from developed countries
- Stable product quality through strict QC
- Fully served turn-key operation from R&D to package
- Automated Mass Production facility for stable provision
- Remarkable performance provided with lowest maintenance cost
- Speedier & more flexible response to partner's needs

The Best of REDGIANT



Strict Quality Control for 0% defective rate

All of products are 100% inspected by production flow with advanced analysis devices

Inspection process:



01 Eco-solvent

REDGiant Eco-solvent inks are Eco-Friendly and no harmful ink compared to solvent ink. Our inks are perfectly compatible with Roland, Mimaki, Mutoh and Epson UltraChrome. You can improve printing productivity using our Eco-solvent, and even save maintenance costs. There is no need to flush and profile and easily plug and print. Create best outputs in both indoor and outdoor applications.

Features of our Eco-solvent ink

- Just "Plug and Play."
- OEM Color Matched "No color profile changing."
- Excellent Light & Scratch Resistance
- Quick Drying with Super Adhesive Quality.
- Decrease Maintenance Costs.
- No Contain Harmful Chemicals and Odorless ink.

Select your preferred types

Cartridge (440ml)	Only one type	
Bulk ink (1000ml)	Pack type	Bottle type

Compatible Printer Brands



Eco solvent ink technical data

Color Gamut

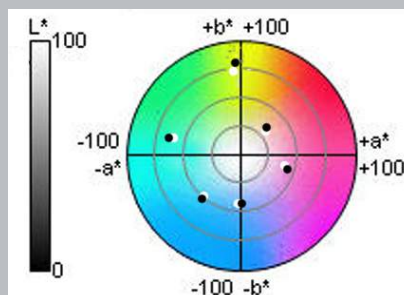
Creates a color gamut similar to that of Roland Ecosol Max ink

Light-Fastness

Up to 3-year outdoor durability

Nickel FREE

advanced models was developed eco-friendly as OEM ink models (Eco-solmax2, Ultrachrome GS2)



Values calculated on PVC sheet(Ritrama).

White points are **RedGiant Inks** and
Black dots are **Roland Ecosol Max ink** case.



Eco-solvent Compatible Chart

Item	OEM Model	Redgiant Model	Printer	Colors	Contents	Dimension
Cartridge	Roland - Eco-Solmax1	ES1RO	DX4,5 head Printers ex) XJ740, RS640	6 Colors (Y/M/C/K/LM/LC)	440cc (Optional White color - 220cc)	118*532*38 mm
	Roland - Eco-Solmax2	ES2RO	DX7 head Printers ex) RF640, XR640, XF640	7 Colors (Y/M/C/K/LK/ LM/LC)		
	Mimaki - SS2	ES1MI	DX4 head Printers ex) JV3	4 Colors (Y/M/C/K) and/or other colors (LM/LC/LK)		
	Mimaki - ES3	ES3MI	DX5,7 head Printers ex) JV5, JV33, CJV30			
	Mimaki - SS21	ES21MI	DX5 head Printers ex) JV33, JV34, JV5, CJV30, JV300			
	Mutoh - EcoUltra	ES1MU	DX5, 7 head Printers ex) Valuejet series	4 Colors (Y/M/C/K) and/or other colors (LM/LC/LK)		
	Epson - Ultrachrome GS2	ES2EP	TFP head Printers ex) S series 306**, 505**			
Bulk (Bottle & Pack)	Roland - Eco-Solmax1 Mimaki - SS2, ES3 Mutoh - EcoUltra	IR-ES1	DX4,5,7 head printers ex) Roland - RE640, Ra640/ Mimaki - JV5, JV3, JV30/ Mutoh - Valuejet series/and etc.	6 Colors (Y/M/C/K/LM/LC) and/or Optional White colors	1 L	90*70*250 mm
	Mimaki - SS21	IR-ES21	DX5,7 head printers ex) Mimaki - JV33, JV34			
	Roland - Eco-Solmax2 Epson - UltraChrome GS2	IR-ES12	DX7 (TFP) head printers ex) Roland - XR640, XF640 Epson - S series 30670, 50670	7 Colors (Y/M/C/K/LK/LM/ LC) and/or Optional White colors		

※ nickel FREE products are indicated in light green color line



02 Dye Sublimation

REDGIANT Dye sublimation Inks are available with EPSON DX-4, DX-5, DX-6, DX-7 printer head. Our technologies are specialized in vivid color and flowability for outstanding images and mass productivity. additionally, a full range of Dye-sublimation inks had clearly passed a stability test as a harmless material inks for your various skin-touched item businesses.

Features of our Dye-sublimation ink

1)Transfer (IR-DST)

- Vivid Color Gamut & Saturated Deep Black
- Superior Penetration
- Excellent Printability in Latest High Speed Printers

2)Fluorescence (IR-DSF)

- Highlight Colors of Your Images by UV Lamp.
- Easy to Replace Y, M for Expanding Your Color Gamut.
- Applications : Sport Apparel, Interior Décor, Soft Signage, and Flags.

3)Direct (IR-DSD)

- Suitable for Flags, Banner and Home Furnishings
- Penetration in Depth for Bottom Side of Your Textile.
- Bright and Intense Color

Select your preferred types

Bulk ink (1000ml)	Pack type	Bottle type (a or B type)
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Compatible Printer Brands





Dye sublimation Technical Data

Color Fastness

Extracted from
SGS test report

	y	M	C	K	
Washing					
Color change	4-5	4-5	4-5	4-5	Test Method: ISO 105-C06:2010
Crocking					
Dry	4-5	4	4-5	4-5	Test Method: ISO 105-X12:2001
Wet	4-5	4-5	4-5	4-5	
Perspiration					
Color change	4-5	4-5	4-5	4-5	Test Method: ISO 105-E04:2013
Light					
Color change	Over 4	Over 4	4	Over 4	Test Method: ISO 105-B02:1994/AMD 2: 2000

Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Stability Test Result

Extracted from
SGS test report

	y	M	C	K	
Heavy Metal	n.D.	n.D.	n.D.	n.D.	Test Method: US EPA 3050B (apply correspondingly, ICP)
Phthalates	n.D.	n.D.	n.D.	n.D.	Test Method: EPA 8061A, GC/MS
Polycyclic Aromatic Hydrocarbons	n.D.	n.D.	n.D.	n.D.	Test Method: ZEK 01.4-08, GC/MS
Azo(Arylamines)Dye	n.D.	n.D.	n.D.	n.D.	Test Method: EN 14362-1, GC/MS & HPLC

n.D = not detected

Dye-Sublimation Compatible Chart

Item	Model	Printer	Color	Contents	Dimension
Bulk ink (Bottle or Pack)	IR-DST (t ransfer)	All Epson Head (Piezo Head) Printers ex) Roland, Mimaki, Mutoh, Epson, etc.	8 colors (Y/M/C/K/LM/LC/OR/BL)	1.0 KG	90*70*250mm
	IR-DSD (Direct to Fabric)				
	IR-DSF (Fluorescence)		2 colors (FY/FM)		



03 WATER-BASED INK

RED Giant's water-based inks are manufactured by a high level of technology, and we are dedicated to providing high quality OEM matched inks which leads to be freely mixable with the originals. Furthermore, our water-based inks have been compounded of high quality raw materials basically. those qualities can make you to experience more vivid and outstanding images.

Epson

Cartridges



Epson 220ml
9880/7880/4880

Cartridges



Epson 700ml
9900/7900/9890
7890/9700/7700

Cartridges



Epson 700ml
Sure Color T3000
5000/7000

Bulk Ink



Epson 1 Liter
For Stylus Pro

- Fully Compatible with Epson Ultra-Chrome K3 vivid, HDR, and XD inks
- High Density Pigments for Outstanding Color Gamut
- Save up to 35~45% on your OEM ink cost

Canon

Cartridges



Canon 700ml
IPF 8000/9000/8000s/9000s/8100/9100
8300/8300S/8400/9400/9400S

Bulk Ink



Canon 1 Liter
For IPF Series

- Fully Compatible with Canon Lucia inks
- Excellent Light and Water Fastness
- Good Adhesiveness on Photo Paper

HP



HP 680ml
Designjet 5000/5500



HP 775ml
Designjet Z6100



HP 1 Liter
For Designjet

- New Compatible Intelligent Chip Cartridge
- Formulated for Outstanding Color Gamut and Whole Mix ability with OEMs
- Qualified Inks at an Affordable Price



Water-based Compatible Chart

Item	OEM Model	Redgiant Model	Printer	Colors	Contents	Dimension
Cartridge	UltraChrome K3 (t603***)	EP988	Epson 9880/7880	9 colors	220ml	112*190*29
	UltraChrome K3 (t563***)	EP98	Epson 9800/7800	9 colors	220m	112*190*29
	UltraChrome K3(t606***)	EP488	Epson 4880	9 colors	220m	112*190*29
	UltraChrome K3 (t565***)	EP48	Epson 4800	9 colors	220m	112*190*29
	UltraChrome HDR(T636***)	EP99	Epson 9900/7900/9890 7890/9700/7700	11 colors	700ml	105*319*40
	UltraChrome XD(t694***)	EPT	Epson Sure Color t3000/5000/7000	5 colors	700ml	103*305*40
Bulk Ink	Epson printers	IR-EP99	Epson Stylus Pro	11 colors	1000ml	90*70*250
		IR-EPT	Epson Sure color T	5 colors		

Item	OEM Model	Redgiant Model	Printer	Colors	Contents	Dimension
Cartridge	Ink Tank PFI-701	C701	IPF 8000S/9000S IPF 8000/9000	12 colors	700ml	120*280*40
	Ink Tank PFI-702	C702	IPF 8100/9100	4 colors	700ml	120*280*40
	Ink Tank PFI-704	C704	IPF 8300/8300S	12 colors	700ml	120*280*40
	Ink Tank PFI-706	C706	IPF 8400/9400 IPF 9400S	12 colors	700ml	120*280*40
Bulk Ink	Canon printers	IR-CPF Pigment	Canon IPF	12 colors	1000ml	90*70*250
		IR-CIPF Dye (Y/M/C/PK)	Canon IPF 500/600/700 510/610/710	4 colors (Dye)	1000ml	90*70*250
		IR-CPF Pigment (MK)		1 Color (Pigment)		

Item	OEM Model	Redgiant Model	Printer	Colors	Contents	Dimension
Cartridge	HP 81 (C493*A)	C81 (Dye)	HP Designjet 5000/5500	6 colors	680ml	115*265*55
	HP 83 (C494*A)	C83 (UV)	HP Designjet 5000/5500	6 colors	680ml	115*265*55
	HP 91 (C94**A)	C91 (Pigment)	HP Designjet Z6100	8 colors	775ml	120*324*64
	HP 72 (C937*A)	iR-72, Dye(Y/M/C/GY/ PBK), Pigment (MK)	HP Designjet T	6 colors	200ml	65*220*30
Bulk Ink	HP printers	IR-HD50 (Dye)	HP Designjet 5000/5500	6 colors	1000ml	90*70*25
		IR-HP50 (UV)	HP Designjet Z6100	6 colors	1000ml	90*70*25
		IR-HP61(Pigment)		8 colors	1000ml	90*70*25



REDGIANT Operating Location



REDGIANT CONTACT POINT

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* After SEP. 2015, We are going to move
our head office in Shihwa MTV.

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REDGIANT Packing Information

Package	Number of cartridge	(Length*Width*High) (CM)	Weight (KG)
Eco-solvent cartridge (440ml)			
1 Box	16 cartridges	54cm*34cm*26cm	15.2KG
1 Pallet (36 Boxes)	576 cartridges	110cm*110cm*175cm	557KG
Eco-solvent bulk ink (1 liter) / Dye Sublimation pack type (1liter)			
1 Box	20 liter	46cm*37cm*29cm	22.8KG
1 Pallet (36 Boxes)	720 liter	110cm*115cm*185cm	830KG
Dye Sublimation bottle type (1liter)			
1 Box	20 liter	46cm*37cm*29cm	23.5KG
1 Pallet (36 Boxes)	720 liter	110cm*115cm*185cm	855KG



Facility and Capacity

Shihwa MTV – New Extended Factory in 2015

Facility Area : about 5,000 sqm.

automated production line for Mass production.

Monthly capacity : 30 tons in general production.

*Capacity can be enlarged by working time control
OEM production is available for mass quantity order.

Best Business Partner with 3 Core competences

01 Technology

innovative
R&D with
own patents

02 Production

Automated Production
of 30 ton/month
With strict QC

03 Sales

Worldwide export
capability over
60 countries

**To be No. 1 player
Together and Always**

