

 DIGITEX

# GUNSJET

SR-1808 / SR-2508 / SR-3208

NEW Wide Format Injet Printer



**A revolutionized weapon  
for any printing mission.**

**Shoot-able to Media & Textile**

**Speed up to 63 sqm per hour**

**Drop size 7 pico liter**







## Unique inkjet technology makes continually printing at ultra-high quality & gun-speed possible

| FEATURES                     | BENEFITS                       |
|------------------------------|--------------------------------|
| 394 nozzles (2 x 192)        | > High Performance             |
| 30 kHz                       | > High Performance             |
| Drop size: 7 pico liter      | > High Resolution Applications |
| Stainless Steel Construction | > Multiple Jetting Fluids      |
| 60C Operation                | > Multiple Viscosity Fluids    |

### RICOH GEN4 PRINTHEAD



#### Newly developed gun-speed print head

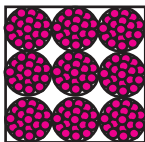
A newly developed high technology print head provides top class durability, speed and resolution containing 192 nozzles x 2 lines, it enables high speed printing while easy to assemble and calibration. A reliable and powerful ejection system is provided by piston pusher with metallic diaphragm to achieve a operating jet frequency up to 30kHz, perfect for high speed and high viscosity solution. Added with new technology for fine printing attaining to 7 pico-liters drop volume, it explores a new horizon for high speed, reliable and resolution printing standard for large and wide format printers.

| PRINTER INFORMATION |                            |             |             |
|---------------------|----------------------------|-------------|-------------|
| PRINTER MODEL       | SR-1808                    | SR-2508     | SR 3208     |
| PRINTHEAD MODEL     | RICOH GEN4, 7PL            |             |             |
| NO. OF COLORS       | CMYK / CMYKOrGr / CMYKLcLm |             |             |
| PRINTING WIDTH      | 1.9M (75")                 | 2.6M (102") | 3.3M (130") |

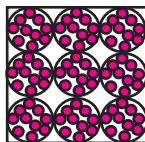
| PRODUCTION SPEED             |    |    |    |    |    |    |    |
|------------------------------|----|----|----|----|----|----|----|
| SR-3208                      | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| Print width 3200mm   8 heads |    |    |    |    |    |    |    |
| 600 x 600dpi 4pass+ BI       |    |    |    |    |    |    |    |
| 1200 x 600dpi 4pass+ BI      |    |    |    |    |    |    |    |
| 1200 x 600dpi 8pass+ BI      |    |    |    |    |    |    |    |

## Creative inkjet technology and high quality ink provides high saturation printing

High Power & Frequency Printhead → High Viscosity Ink → High Saturation Performance → Perfect for Backlit and Textile



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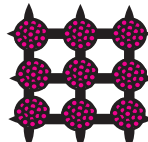


Other printers

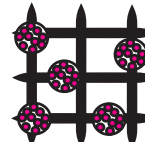


#### High saturation performance on media

Gunsjet high jetting power print head allows application of high viscosity ink. While high viscosity ink produces ideal illustration on colors for back light illustration. The high viscosity ink contains high pigment concentration in every ink drop, which can improves the reflection of light ray from the light sources.



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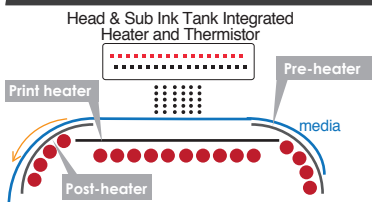


Other printers

#### High saturation performance on textile

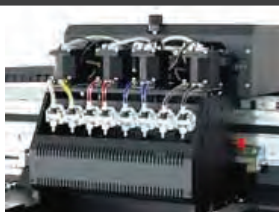
Gunsjet high jetting power print head allows application of high viscosity ink. While high viscosity ink produces ideal illustration on colors for textile printing. The high viscosity ink contains high pigment concentration in every ink drop, which can improves the density of pigment adhesive ability on fabric.

## Intelligent ink and media supply technology provides extensive printing and stable application



#### Head integrated with heater and thermistor

Heating systems are installed on ink and media section. On ink section, intelligent heater and thermistor are integrated on printhead and sub ink tank to control operation temperature in high viscosity ink and ensure ink application for low ambient temperature countries. One media section, a triple stage intelligent heater automatically heats up the media to the best operating temperature to enhance the ink absorption ability on different media. A vertical mounted post heater quicken drying time while enables a faster take up of medias.



#### Active Negative Pressure System

Active Negative Pressure System with digital control pressure display gauges ensures high-quality printing at higher possible firing frequency of inkjet printing with industrial piezo printhead



#### Ink Tank with Levels Sensors

Bulk ink tank and waste ink tank are installed with level sensors.



## A variety of ink to help create a wide range of graphics



### ECO-SOLVENT INK



#### DG MAX-R series

- Plug and print as original ink
- Closest color output as original ink
- Fast in drying time
- Outstanding durability
- Cost saving while better performance



### DIRECT TEXTILE INK



#### DG TEX-R series

- Direct print to enhance productivity
- Equal-to-photo print quality
- Applicable to dark garment
- ECO-friendly
- Outstanding durability



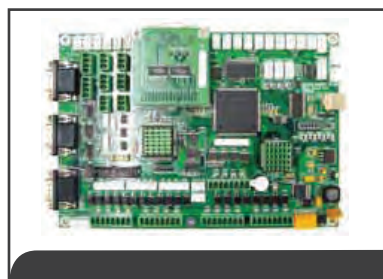
### AQUEOUS INK



#### WATER PIGMENT INK-R series

- Exceptional rich and vivid bright color
- Incredible resistance against UV, water and scratch
- Durable to print heads

## Additional Features



Advanced High Speed Embedded Printer Controller enable faster jetting motion control.



Bulk ink tank and waste ink tank with level sensors.



Automatic media release and take-up system.



Color LCD Smart Panel provides real time sensor and printer status information and offline printer control. Localized to English, Chinese.



Linear Guide Girder design for high precise printing.

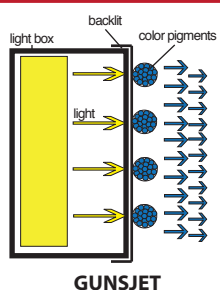


Platen with Vacuum and Pinch Roller for precise media feeding.

## HIGH QUALITY PERFORMANCE ON BACKLIT ILLUSTRATION

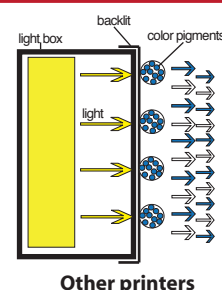
### Backlit by Gunsjet

The backlit produced by Gunsjet contains higher pigment concentration of pigment in every ink drop, it ensures more light rays are reflected by the pigment particles while more vibrant color can be viewed by the spectator.



### Backlit by other printers

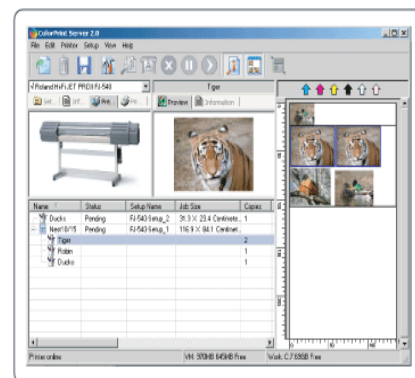
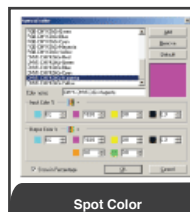
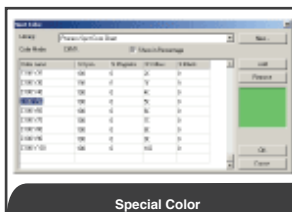
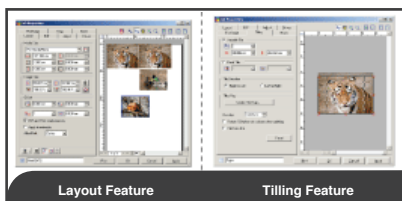
The backlit produced by other printers contains less pigment concentration of pigment in every ink drop, thus more original light rays are passing through the backlit without reflected by color pigment. It is common for spectators find colors are distracted by white dots.



## RIP Software

### ColorPRINT RIP

- Powerful color management
- Halftone algorithm is critical for Grayscale printing
- Postscript, PDF, TIFF, JPG, and Bitmap rendering
- Generate Spot colors such as white ink support
- Job layout
- Increase productivity by application specific features:  
such as nesting of job files, tiling, batch printing, etc.,



**ColorPRINT**  
Professional RIP Software

## Technical Information

### SPECIFICATIONS

|                              |                |   |                    |                    |
|------------------------------|----------------|---|--------------------|--------------------|
| Model                        |                | SR-1808   | SR-2508            | SR-3208            |
| Head                         |                | On-demand Piezo head (192 nozzles x 2 lines) x 8 heads                  |                    |                    |
| Maximum print width          |                | 1800 mm   | 2500 mm            | 3200 mm            |
| Printing resolution          |                | 600, 900, 1200 dpi  |                    |                    |
| Printing mode (scan x feed)  |                | Uni and Bi-direction  |                    |                    |
| Ink                          | Ink Kind       | Solvent Ink / Direct Textile Pigment Ink / Aqueous Pigment Ink / UV Ink |                    |                    |
| Media                        | Size           | 2000 mm   | 2700 mm            | 3400 mm            |
|                              | Max. thickness | 1.4mm   |                    |                    |
|                              | Roll weight    | 130kgs  |                    |                    |
|                              | Print surface  | Fall out  |                    |                    |
| Media cutting                |                | Cutting on Y direction by cutter at the head                            |                    |                    |
| Media heater                 |                | Triple stage intelligent heater (Pre / Print / Post)                    |                    |                    |
| Interface                    |                | USB2.0 high speed   |                    |                    |
| Applicable standards         |                | CE marking  |                    |                    |
| Power requirements           |                | AC 220 to 240 V 10%, 50 / 60 Hz   |                    |                    |
| Power Plug                   |                | Computer equipment plug (CE cert)                                       |                    |                    |
| Operation                    | Power On       | Temperature: 20 to 30C (64 to 88F) Humidity: 40 to 70%                  |                    |                    |
| environment                  | Power Off      | Temperature: 5 to 40C (41 to 104F) Humidity: 20 to 80%                  |                    |                    |
| Assembled Dimensions (LxHxD) |                | 3700 x 1500 x 1000mm  | 4400 x 1500 x 1000 | 5100 x 1500 x 1000 |
| Shipping Dimensions (LxHxD)  |                | 4400 x 2000 x 1200mm  | 5000 x 2000 x 1200 | 5600 x 2000 x 1000 |
| Weight (included stand)      |                | 800kgs  | 900kgs             | 1000kgs            |

### SUPPLIES

| Items                           | Types                      |       | Product Range           | Items no. |
|---------------------------------|----------------------------|-------|-------------------------|-----------|
| DG MAX-R series                 | Eco-solvent ink            | 220ml | C · M · Y · K · Lc · Lm | DJT-RC-36 |
|                                 |                            | 440ml | C · M · Y · K · Lc · Lm | DJT-RC-46 |
|                                 |                            | 1L    | C · M · Y · K · Lc · Lm | DJT-RC-10 |
| DG TEX-R series                 | Direct textile pigment ink | 220ml | C · M · Y · K · Or · Gr | DJT-TP-20 |
|                                 |                            | 440ml | C · M · Y · K · Or · Gr | DJT-TP-40 |
|                                 |                            | 1L    | C · M · Y · K · Or · Gr | DJT-TP-10 |
| Solvent Cleaner & Water Cleaner | -                          | 220ml | -                       | -         |
|                                 |                            | 440ml | -                       | -         |
|                                 |                            | 1L    | -                       | -         |

### OPTIONAL

|   |
|---|
| 1. Flatbed printer                                      |
| Optional flatbed module for flat / rigid media printing |
| 2. UV ink application                                   |
| Optional UV LED lamp allows printing of UV ink          |
| 3. Options up to 12 printheads                          |
| Optional 12 printheads to enhance print speed           |



\* Some of the samples in this catalogue are artificial renderings.

\* Specifications, design and dimensions stated in this catalogue may be subject to change without prior notice. (for technical improvements, etc)

\* The corporate names and merchandise names written on this catalogue are the trademark or registered trademark of the respective corporations.

\* Inkjet printers print using extremely fine dots, so colors may vary slightly after replacement of the print heads. Also note that if using multiple printer units, colors could vary slightly from one unit to other unit due to slight individual differences.

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