

Imagine. **Roland**

**RT-640**

*Dye Sublimation Transfer Printer*

**Texart**

**DVE**

Digital Value Engineering



# RIDE THE CHALLENGE WITH ROLAND'S NEW SUBLIMATION PRINTER

Developed specifically for dye sublimation, the Texart RT-640 provides superb quality, vivid colouring and highly stable performance. The RT-640 can add value to your business through a wide range of applications including apparel, signs, interior decor, fashion and original goods.

## Ergosoft Roland Edition created especially for digital textile production

Ergosoft Roland Edition was developed especially for Roland by Ergosoft, the premier RIP provider in the textile printing industry. Support for both 8-colour and 4-colour printing is provided and it includes numerous features especially for digital textile production that combine excellent high-speed RIP through put and image quality.

## Roland VersaWorks provides intuitive operation

Providing support for 4-colour printing, Roland VersaWorks is well known for its combination of powerful features with ease of use. By simply selecting a media profile, the RIP manages colour correction and ink consumption.



ergosoft  
Roland Edition  
the RIP for digital textile print production

Roland VersaWorks  
RIP & PRINT MANAGEMENT SOFTWARE

**Texart**  
RT-640

8 Colors CMYK+L+M+O+(Orange)+V+(Violet)  
4 Colors CMYK



SPORTS EQUIPMENT  
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SPORTS  
KITS



TECHNICAL ATHLETIC  
APPAREL



TECHNICAL ATHLETIC  
ACCESSORIES



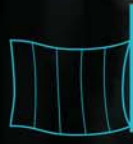




GADGETS & MERCHANDISING



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SPORTSWEAR & FASHION APPAREL



## Superb quality with bright and vivid colors

The RT-640 with Roland's new Textart ink delivers bold and vibrant colours, strong rich blacks, subtle gradations and remarkable fine detail. With a choice of dual CMYK or 8-colour ink configurations, including Orange and Violet, it offers an extremely wide colour gamut and delivers excellent colour stability for consistent reproduction of output. Through the RT-640's optimised print control technology, beautifully sharp print image quality can be achieved with ease.



Textart ink

Vivid orange and violet hues combine with deep, velvety blacks to deliver brilliant, well-balanced color.

## Built for speed and precise media tracking

The RT-640 has a production quality print speed of 22.0m<sup>2</sup>/h and a maximum speed of 32.6m<sup>2</sup>/h. The optimised vacuum fan keeps transfer paper flat for printing. Furthermore, a newly designed media Feed Adjuster at the front and rear provides even tensioning and prevents media skewing. The results are a precisely wound roll on the take-up reel to deliver a consistent feed tension when the media is passed through the collendar press:

| 4 color print speeds             |                        | 8 color print speeds             |                        |
|----------------------------------|------------------------|----------------------------------|------------------------|
| High Speed (640x360/2PASS)       | 32.6 m <sup>2</sup> /h | High Speed (640x360/4PASS)       | 16.0 m <sup>2</sup> /h |
| Production (640x360/3PASS)       | 22.0 m <sup>2</sup> /h | Production (640x360/4PASS)       | 10.7 m <sup>2</sup> /h |
| Standard (660x20/4PASS)          | 16.0 m <sup>2</sup> /h | Standard (660x20/8PASS)          | 8.0 m <sup>2</sup> /h  |
| High Quality 1 (720x720/8PASS)   | 8.0 m <sup>2</sup> /h  | High Quality 1 (720x720/12PASS)  | 5.4 m <sup>2</sup> /h  |
| High Quality 2 (720x1440/16PASS) | 4.0 m <sup>2</sup> /h  | High Quality 2 (720x1440/24PASS) | 2.2 m <sup>2</sup> /h  |

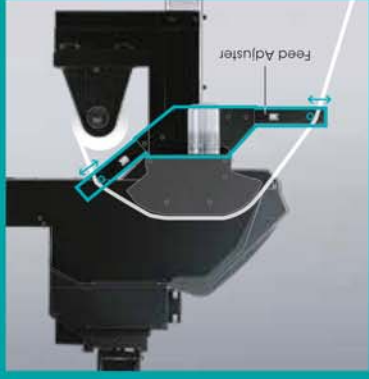


Image of the feed Adjuster

## Choose from two powerful RIPs

The new Roland Ink System ensures stable printing with one litre airtight sealed pouches and in dual CMYK mode, provides two litres per colour. The proprietary Roland Ink Switching System automatically switches to the other ink pouch to enable continuous printing. For even greater efficiency, you can replace the empty pouch without stopping the printer in both dual CMYK and 8-colour ink configurations.



## 1. Dual ink supply system for unattended continuous printing

To operate your Textart RT-640 dye sublimation printer, you have a choice of two professional RIPs: VersaWorks, developed by Roland for Roland printers, providing easy and intuitive operation or Ergosoft Roland Edition, which boasts a full range of textile-specific features and has a well-deserved reputation for quality in the textile printing industry. Your RIP preference can be selected when purchasing your printer.



Roland Edition

the rip for digital textile print production



8 Colors CMYK and 4 Colors CMYK



4 Colors CMYK

Roland VersaWorks

rip & print management software



| Model   | Description            |
|---------|------------------------|
| S813-CY | Cyan, 1,000cc          |
| S813-MG | Magenta, 1,000cc       |
| S813-YE | Yellow, 1,000cc        |
| S813-BK | Black, 1,000cc         |
| S813-1C | Light cyan, 1,000cc    |
| S813-1M | Light magenta, 1,000cc |
| S813-OR | Orange, 1,000cc        |
| S813-VI | Violet, 1,000cc        |

| Ergosoft Roland Edition System Requirements |  |
|---|--|
| Operating System                            | Windows® 8/8.1 [32/64-bit]<br>Windows® 7 Ultimate / Professional [32/64-bit]<br>Windows Vista® Ultimate / Business [32/64-bit] |
| CPU   | Quadcore 2.5 GHz or faster recommended   |
| RAM   | 4 GB or more recommended   |
| Video card and monitor                      | A resolution of 1,280 x 1,024 or more recommended  |
| Free hard-disk space                        | 40 GB or more recommended  |
| Optical drive                               | DVD-ROM drive  |

| Roland VersaWorks System Requirements |  |
|---------------------------------------|--|
| Operating System                      | Windows® 8/8.1 [32/64-bit]<br>Windows® 7 Ultimate / Professional [32/64-bit]<br>Windows Vista® Ultimate / Business [32/64-bit] |
| CPU                                   | Intel® Core™ 2 Duo, 2.0 GHz or faster recommended  |
| RAM                                   | 2 GB or more recommended   |
| Video card and monitor                | A resolution of 1,280 x 1,024 or more recommended  |
| Free hard-disk space                  | 40 GB or more recommended  |
| Optical drive                         | DVD-ROM drive  |
| Other                                 | Internet connection and web browser to use Roland@NET and VersaWorks Online  |

\* Roland VersaWorks is a 32-bit application, which runs on 64-bit Windows® with WoW64 [Windows 32-bit on Windows 64-bit]. \* Windows® RT is excluded.

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# Textart RT-640



| Specifications                      |                      |   |
|-------------------------------------|----------------------|---|
| Printing technology                 | Piezoelectric inkjet |   |
| Media                               | Width                | 259 to 1,625 mm (10.2 to 64 in.)  |
|                                     | Thickness            | Maximum 1.0 mm (39 mil)   |
| Media                               | Roll outer diameter  | Maximum 210 mm (8.3 in.)  |
|                                     | Roll weight          | Maximum 40 kg (88 lbs.)   |
| Media                               | Core diameter*1      | 76.2 mm (3 in.) or 50.8 mm (2 in.)  |
|                                     | Printing width*2     | Maximum 1,615 mm (63.6 in.)   |
| Ink pouches                         | Types                | Exclusive sublimation ink pouch   |
|                                     | Colors               | Four colors (cyan,magenta,yellow,black) and black<br>Eight colors (cyan,magenta,yellow,black,light cyan,light magenta,orange, and violet) |
| Printing resolution (dots per inch) |                      | Maximum 1,440 dpi   |
| Distance accuracy*3                 |                      | Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater   |
| Connectivity                        |                      | Ethernet (10BASE-T/100BASE-TX, automatic switching)   |
| Power-saving function               |                      | Automatic sleep feature   |
| Power requirements                  |                      | AC 100 to 240 V ±10%, 1.5 A, 50/60 Hz   |
| Power consumption                   | During operation     | Approx. 140 W   |
|                                     | Sleep mode           | Approx. 31 W  |
| Acoustic noise level                | During operation     | 62 dB (A) or less   |
|                                     | During standby       | 49 dB (A) or less   |
| Dimensions (with stand)             |                      | 2,650 mm (W) x 795 mm (D) x 1,600 mm (H) (104.4 (W) x 31.3 (D) x 63 (H) in.)  |
| Weight (with stand)                 |                      | 160 kg (353 lbs)  |
| Environment                         | Power on             | Temperature: 18 to 25°C (64.4 to 77°F), humidity: 35 to 65%RH (non-condensing)  |
|                                     | Power off            | Temperature: 15 to 30°C (59 to 86°F), humidity: 20 to 80%RH (non-condensing)  |
| Included items                      |                      | Exclusive stands, power cord, media clamp, media holder, replacement blades for separating knife, User's Manual, etc.                     |

\*1 The media holder for this machine is exclusively designed for media rolls with a paper tube measuring 3 inches in diameter. To use 2-inch media rolls, the optional media holder are required. \*2 The length of the production run is subject to the limitations of the software program. \*3 Media type: Media specified by Roland DG Corporation. Temperature: 25°C (77°F), humidity: 50%. Roll media must be loaded correctly. - Excluding expansion/contraction of the media. - All corrections or adjustment function of this machine have been made properly. - Print travel: 1 m

Roland DG products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit [www.rolanddg.com](http://www.rolanddg.com).



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