

 Roland

# Texart

Dye Sublimation Transfer Printer **RT-640**



 ergosoft  
**Roland Edition**  
the rip for digital textile print production

Roland  
**VersaWorks Dual**  
RIP & PRINT MANAGEMENT SOFTWARE

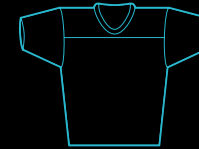
**DVE**  
Digital Value Engineering

# 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 décor, fashion and original goods.



SPORTS EQUIPMENT  
& 3D OBJECTS



SPORTS  
KITS



TECHNICAL ATHLETIC  
APPAREL



TECHNICAL ATHLETIC  
ACCESSORIES





  
GADGETS &  
MERCHANDISING

  
CUSTOM-DESIGNED  
ACCESSORIES

  
SOFT SIGNAGE

  
SPORTSWEAR  
& FASHION APPAREL

## Superb quality with bright and vivid colours

The RT-640 with Roland's new Texart 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.

## Texart ink



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

## 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 calendar press.

### 4 color print speeds

High Speed (540x360/2PASS)	32.6 m <sup>2</sup> /h
Production (540x360/3PASS)	22.0 m <sup>2</sup> /h
Standard (360x720/4PASS)	16.0 m <sup>2</sup> /h
High Quality 1 (720x720/8PASS)	8.0 m <sup>2</sup> /h
High Quality 2 (720x1440/16PASS)	4.0 m <sup>2</sup> /h

### 8 color print speeds

High Speed (540x360/4PASS)	16.0 m <sup>2</sup> /h
Production (540x360/6PASS)	10.7 m <sup>2</sup> /h
Standard (360x720/8PASS)	8.0 m <sup>2</sup> /h
High Quality 1 (720x720/12PASS)	5.4 m <sup>2</sup> /h
High Quality 2 (720x1440/24PASS)	2.2 m <sup>2</sup> /h

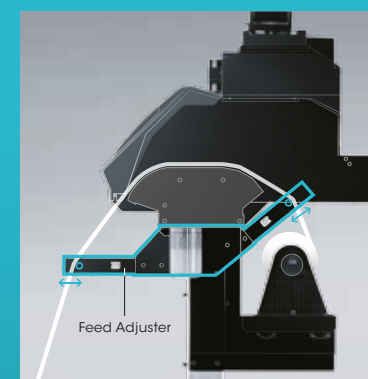


Image of the Feed Adjuster

## Dual ink supply system for unattended continuous printing

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.



## Choose from two powerful RIPs

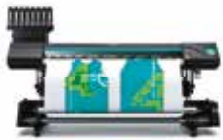
To operate your Texart RT-640 dye sublimation printer, you have a choice of two professional RIPs: VersaWorks Dual, developed by Roland for Roland printers, providing easy and intuitive operation or ErgoSoft Roland Edition, which boasts a full range of textile-specific features and has a well-deserved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

 ergosoft  
**Roland Edition**  
the rip for digital textile print production

 **8 Colors** CMYKcLmOrVi  
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 **4 Colors** CMYK

RIP & PRINT MANAGEMENT SOFTWARE  
**Roland VersaWorks**

 **4 Colors** CMYK



# Texart 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)
	Roll outer diameter	Maximum 210 mm (8.3 in.)
	Roll weight	Maximum 40 kg (88 lbs.)
	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
	Colours	Four colours (cyan, magenta, yellow and black) Eight colours (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 travelled, 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		Take-up system, exclusive stands, power cable, media clamps, media holder, replacement blades for separating knife, User's Manual, etc.
RIP		For a four colour ink configuration a choice of either VersaWorks Dual or ErgoSoft Roland Edition. For a eight colour ink configuration ErgoSoft Roland Edition.

\*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 flanges 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

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Ink		
Model	Description	
Texart ink	SBL3-CY	Cyan, 1,000cc
	SBL3-MG	Magenta, 1,000cc
	SBL3-YE	Yellow, 1,000cc
	SBL3-BK	Black, 1,000cc
	SBL3-LC	Light cyan, 1,000cc
	SBL3-LM	Light magenta, 1,000cc
	SBL3-OR	Orange, 1,000cc
	SBL3-VI	Violet, 1,000cc

Roland VersaWorks Dual System Requirements	
Operating System	Windows® 8/8.1 (32/64-bit) Windows® 7 Ultimate / Professional (32/64-bit) Windows Vist® 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 Dual is a 32-bit application, which runs on 64-bit Windows® with WoW64 (Windows 32-bit on Windows 64-bit). \*Windows® RT is excluded.

ErgoSoft Roland Edition System Requirements	
Operating System	Windows® 8/8.1 (32/64-bit) Windows® 7 Ultimate / Professional (32/64-bit) Windows Vist® 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



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