

Imagine.

 Roland®

Texart

Dye Sublimation Transfer Printer

RT-640



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.

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.



Texart
RT-640

8 Colors CMYKLCm+Or(Orange)+Vi(Violet)
4 Colors CMYK



SPORTS EQUIPMENT
& 3D OBJECTS



SPORTS
KITS



TECHNICAL ATHLETIC
APPAREL



TECHNICAL ATHLETIC
ACCESSORIES





Superb quality with bright and vivid colors

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 color.

Built for speed and precise media tracking

The RT-640 has a production quality print speed of 22.0m²/h and a maximum speed of 32.6m²/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 (540×360/2PASS)	32.6 m ² /h
Production (540×360/3PASS)	22.0 m ² /h
Standard (360×720/4PASS)	16.0 m ² /h
High Quality 1 (720×720/8PASS)	8.0 m ² /h
High Quality 2 (720×1440/16PASS)	4.0 m ² /h

8 color print speeds

High Speed (540×360/4PASS)	16.0 m ² /h
Production (540×360/6PASS)	10.7 m ² /h
Standard (360×720/8PASS)	8.0 m ² /h
High Quality 1 (720×720/12PASS)	5.4 m ² /h
High Quality 2 (720×1440/24PASS)	2.2 m ² /h

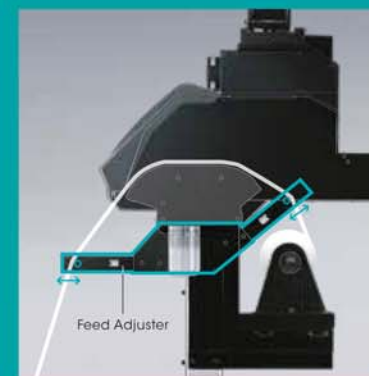


Image of the Feed Adjuster

1. 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, 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
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
	Colors	Four colors (cyan,magenta,yellow,and black) 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 $\pm 0.3\%$ 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 $\pm 10\%$, 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 clamps, 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 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

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.



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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 System Requirements	
Operating System	Windows® 8/8.1 (32/64-bit) Windows® 7 Ultimate / Professional (32/64-bit) 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.

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

Printed in Japan. RDG-416101399 14 OCT C-3 D-5