



Texart XT-640



ergosoft
Roland Edition
the rip for digital textile print production



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 ±0.3% of distance traveled, or ±0.3 mm, whichever is greater	
Dryer*4	Setting range: 30 to 40°C (86 to 104°F)	
Connectivity	Ethernet (100BASE-TX/1000BASE-T, automatic switching)	
Power-saving function	Automatic sleep feature	
Power requirements	AC 100 to 120V ±10%, 5.5 A, 50/60 Hz or AC 220 to 240V ±10%, 2.8A, 50/60 Hz	
Power consumption	During operation	Approx. 750 W
	Sleep mode	Approx. 70 W
Acoustic noise level	During operation	62 dB (A) or less
	During standby	45 dB (A) or less
Dimensions (with stand)	2,835 (W) x 830 (D) x 1,650 (H) mm (111.7 (W) x 32.7 (D) x 65 (H) in.)	
Weight (with stand)	214 kg (471.8 lb.)	
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 blade for separating knife, Software RIP, 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 Corp. •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 *4 •Warm-up is required after the power is turned on. This may require 5 to 20 minutes, depending on the operating environment. •Depending on the ambient temperature and the media width, the set temperature may not be reached. •An external dryer unit may be required depending upon printing and environmental conditions.

Oeko-Tex Certification

Roland DG's Texart ink used in the XT-640 dye sublimation transfer printer meets the requirements of Oeko-Tex® Standard 100, class 1, which is the most difficult certification in the class. Oeko-Tex® Standard 100 is a global uniform testing and certification system for textile raw materials, intermediate and end products at all stages of production with the aim of completely eliminating harmful substances.



Roland DG reserves the right to make changes in specifications, materials or accessories without notice. Your actual output may vary. For optimum output quality, periodic maintenance to critical components may be required. Please contact your Roland DG dealer for details. No guarantee or warranty is implied other than expressly stated. Roland DG shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products. All other trademarks are the property of their respective owners. Reproduction or use of copyrighted material is governed by local, national, and international laws. Customers are responsible for observing all applicable laws and are liable for any infringement. Roland DG Corporation has licensed the MMP technology from the TPL Group.

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

ErgoSoft Roland Edition System Requirements	
Operating system	Windows® 10 (32/64-bit) Windows® 8/8.1 (32/64-bit) Windows® 7 Ultimate / Professional (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



Texart

Dye Sublimation Transfer Printer **XT-640**



Imagine. Roland

AUTHORIZED DEALER:

Printed in Japan. RDG-416105599 15 NOV E-3 D-S

www.rolanddg.com

STRENGTH

An ideal balance of productivity and quality

The XT-640 is built to deliver the highest level of performance available to meet the demanding requirements of the textile industry. It features dual print heads in a staggered formation to achieve high-speed performance at a usable print speed of 41m²/h. Its reinforced rail, grid roller, and frame provide a firm foundation for smooth operation and exceptional print quality. To capture every gradation and detail in your design, each head fires precise droplets in seven different sizes to accommodate media characteristics and desired print quality.



Staggered head configuration

4 color print speeds

High Speed (540x360/2PASS)	63 m ² /h
Production (540x360/3PASS)	41 m ² /h
Standard (360x720/4PASS)	30 m ² /h
High Quality 1 (720x720/9PASS)	13 m ² /h
High Quality 2 (720x1,440/12PASS)	10 m ² /h

8 color print speeds

High Speed (540x360/4PASS)	31 m ² /h
Production (540x360/5PASS)	25 m ² /h
Standard (360x720/8PASS)	15 m ² /h
High Quality 1 (720x720/16PASS)	7 m ² /h
High Quality 2 (720x1,440/24PASS)	5 m ² /h

Dual ink supply systems for continuous, unattended printing



The Roland Ink System ensures stable, long-run printing from one-liter, airtight-sealed pouches. In four-color mode, the system provides two liters per color. The proprietary Roland Ink Switching System automatically switches to the backup ink pouch when the primary pouch runs out. Further expediting production, you can replace an empty pouch on the fly without stopping the printer.

Precise media tracking for high-volume production

Optimized fan absorption power keeps transfer paper flat for printing. A new, more convenient Feed Adjuster at the front and back of the printer provides even tensioning and prevents skewing of the media resulting in a precisely wound roll on the take-up reel for smooth transition to the heat transfer process.



Front Feed Adjuster



Rear Feed Adjuster

STRENGTH AND STYLE

Brilliant performance for stunning beauty

The advanced Texart XT-640 dye sublimation transfer printer maximizes outstanding productivity, exceptional print quality and renowned reliability to achieve optimum results for a wide range of textile applications, including sports apparel, fashion apparel, soft signage and more. The XT-640's brilliant performance creates stunning beauty for your business.



Texart XT-640

8 Colors CMYK+L+M+Or(Orange)+Vi(Violet)
4 Colors CMYK

STYLE

Superb quality with vibrant color

The Texart XT-640 yields a marked difference to the colors and quality of your sublimated fabrics. The XT-640's advanced print control technology in combination with Texart ink produces beautifully sharp images quality with brilliant color. In addition to a four-color mode with fine details and superb contrast, there is an eight-color mode for exceptionally wide color gamut, flawless photographic reproduction, smooth gradations and delicate skin tones.



Excellent color reproduction with vivid colors



Naturally smooth gradations and fine details

High-performance ErgoSoft Roland Edition RIP included

ErgoSoft Roland Edition was developed especially for Roland DG by ErgoSoft, the premier RIP provider in the textile industry. It combines excellent productivity and image quality, enabling supercharged RIP processing and high density printing while minimizing ink usage. It also includes numerous convenient features for maximum digital textile production, such as Step and Repeat, Scale and Shrinkage Correction, and Color Replace.

ergosoft
Roland Edition
the rip for digital textile print production

8 Colors CMYK+L+M+Or+Vi
4 Colors CMYK