



Product Information Guide

Texart XT-640

High-Production Dye-Sublimation Printer



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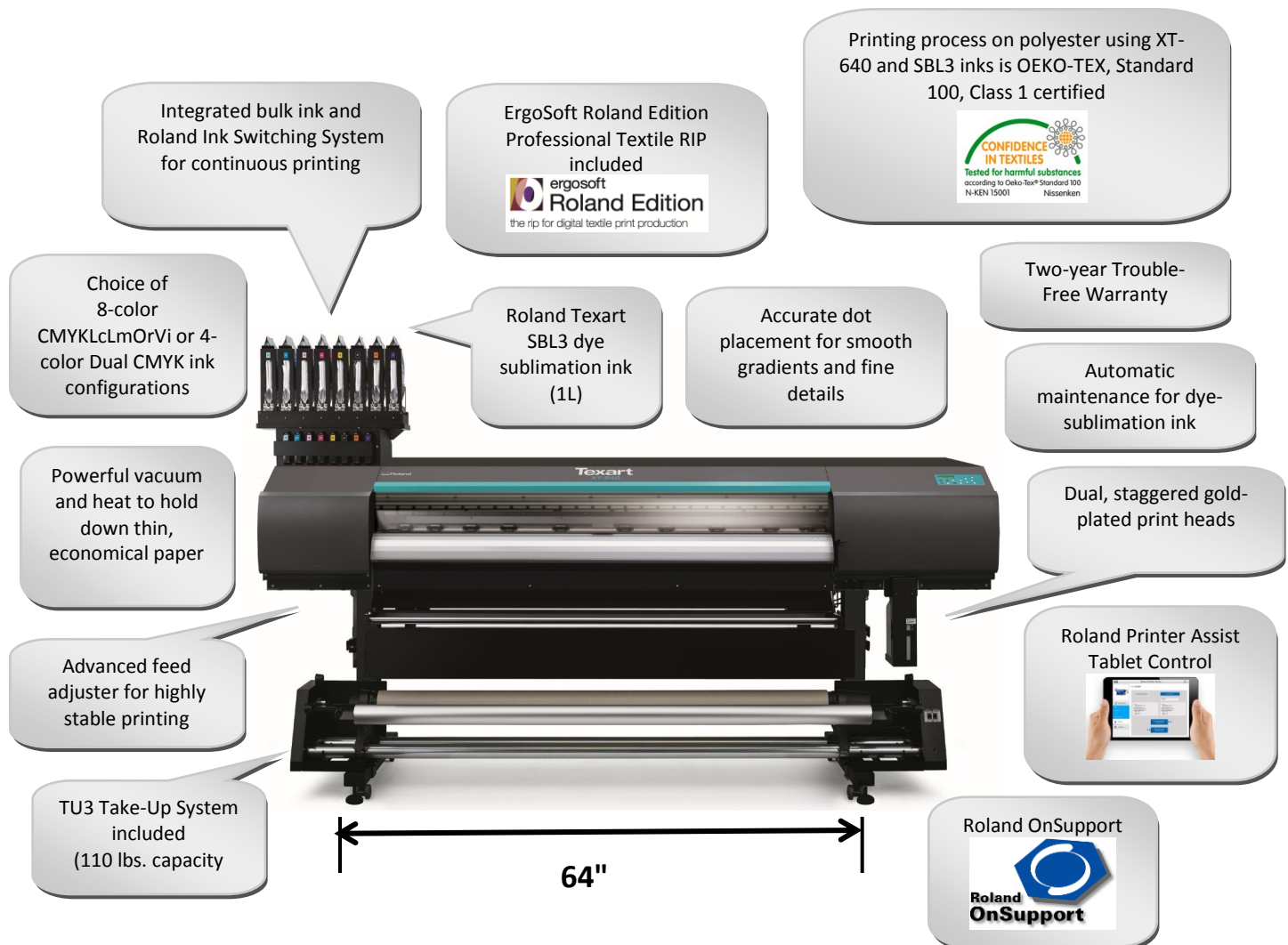
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What You Need to Know

The new XT-640 wide-format printer is the latest addition to the Texart family. Dubbed as the “older sibling” to the RT-640, the XT-640 is designed and built for higher speed and larger output. Features like staggered dual print heads, a standard bulk ink system, sturdy construction and included professional textile RIP software contribute to meeting customer requirements for a viable mid-range dye-sublimation printer. Target markets are production companies typically housing and operating multiple mid-range dye-sublimation printers that run twenty-four hours a day, seven days a week. Applications for the XT-640 include sports apparel, fashion apparel and accessories, interior décor, soft signage and exhibits, and customized promotional goods.

The XT-640 is a user-friendly transfer dye-sublimation printer that delivers greater productivity, outstanding performance, exceptional print quality, and a powerful, professional solution for digital textile production. The XT-640 will be positioned as a premium offering vs. the Mutoh (VJ-1638WX), Mimaki (JV300-160 and TS300P-1800) and Epson (SC-F9200) in the under \$30,000 dye-sublimation market.

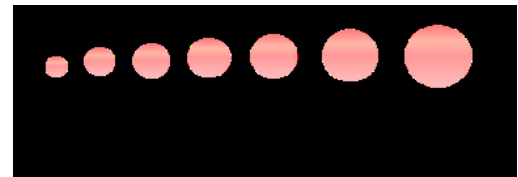
MSRP: US \$29,995 (Take-up system included)



Key Features and Benefits

Greater Productivity and Outstanding Performance

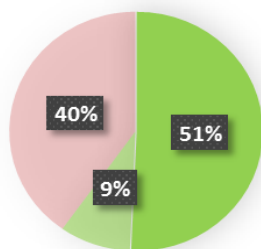
The XT-640 features two staggered print heads that maximize productivity. Each gold-plated Piezo inkjet print head has eight-channels that contains 180 nozzles per channel. With seven different dot sizes available, the XT-640 achieves smoother gradations, fine lines and details, and richer density for photographic and high-resolution vector output.



Texart SBL3 Inks

The XT-640 can be configured as a four-color or eight-color printer. When equipped with an eight-color configuration (CMYKLcLmOrVi), the use of orange and violet ink delivers a wider range of color gamut. You can reproduce up to 40 percent more Pantone Solid Coated colors with the eight-color setup than the four-color configuration. That equates to the ability to reproduce at least 130 more Pantone Solid Coated colors in the eight-color print environment.

Pantone Solid Coated
Roland Texart XT-640 4C



■ Reproducible / in Gamut ■ Reproducible
■ Not reproducible

PANTONE Magenta 0521 C
PANTONE 1235 C
PANTONE 1375 C
PANTONE 7409 C
PANTONE 7563 C
PANTONE 7565 C
PANTONE 7569 C
PANTONE 7570 C
PANTONE 7571 C
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PANTONE 159 C
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PANTONE 1585 C
PANTONE 1595 C
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PANTONE 165 C
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PANTONE 167 C
PANTONE 1655 C
PANTONE 1665 C
PANTONE 172 C

PANTONE 7583 C
PANTONE 1815 C
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PANTONE 7623 C
PANTONE 7628 C
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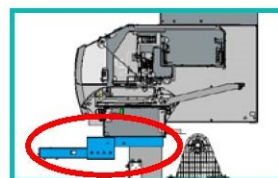
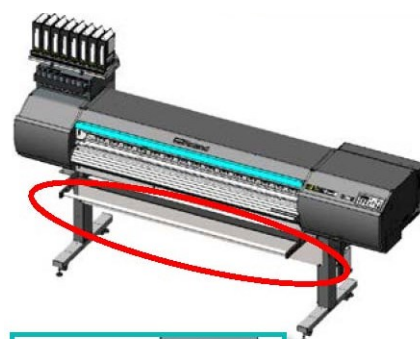
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NEW! Feed Adjuster and Media Holder for Precise Media Tracking

The XT-640 has a new media feed system that aids in accurate printing and winding of transfer paper, including thin, economical paper as light as 60 gsm. The paper is loaded onto a newly developed media holder that keeps everything evenly tensioned and aligned when fed through the platen. A powerful vacuum on the platen holds the paper flat for printing, while an internal dryer assures that inks are properly dried after the printing process. The front Feed Adjuster keeps printed media taut as the printed-paper moves to the

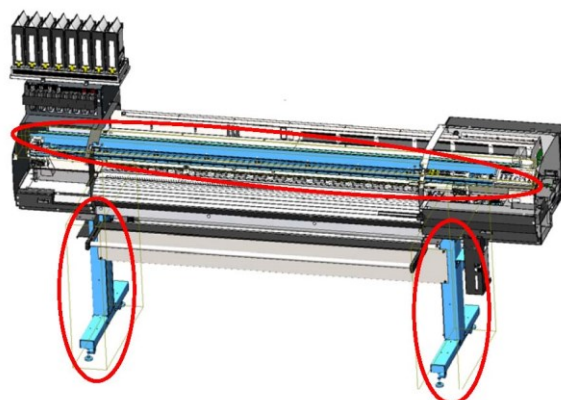


take-up reel. The whole system prevents the transfer paper from buckling or shifting side-to-side during printing and allows for a tightly and precisely wound roll at the take-up reel. Workflow efficiency is increased as you proceed to the next step in the process – moving the printed-paper to the calender/rotary heat press.



NEW! Rugged Structural Design

With its rigid body design, the XT-640 is designed for continuous high-speed printing. The ultra-strong rail guide and stands are built to absorb excessive vibration; a preventative measure that keeps the printer from shuddering back and forth or moving side-to-side. This contributes to highly accurate ink drop placement ensuring high quality output at faster print speeds.



Roland Texart Bulk Ink System

The XT-640 comes standard with the Roland Texart bulk ink system for unattended continuous printing. This system's airtight design prevents the ink from being exposed to air or other contaminants. Each pouch feeds into an individual subtank during ink fill. Once the subtank is full, the ink is pulled from the pouch for the printing process. When the ink pouch is empty, the ink is then pulled automatically from the subtank. You can easily switch out an empty ink pouch with a full pouch during the printing process when printing in four-color mode.

The Texart bulk ink system holds eight ink pouches, each containing 1L per color. When configured with dual CMYK, the system holds a maximum of 2L per color.



Automatic Ink Switching System

When configured in four-color mode, the XT-640 can print continuously, thanks to Roland's Automatic Ink Switching System. Once the primary ink pouch and subtank for a particular color are empty, the Ink Switching System activates automatically and begins pulling ink from the secondary ink pouch, allowing for maximum productivity and flawless results. It's important to ensure that both pouches and subtanks for any specific color do not become empty while printing. Replacing the empty ink pouch once the initial subtank is empty will help prevent such a situation from occurring. This practice will also allow the inks in the subtank to be used and circulated, keeping any dye sediments from settling.



OEKO-TEX®, Standard 100, Class 1 Certification

The process for inkjet printing on polyester fabric with Texart SBL3 inks and Texart XT-640 is OEKO-TEX®, Standard 100, Class 1 certified. OEKO-TEX is an independent certification system that tests the safety of textile materials and chemicals at every stage of production. OEKO-TEX Standard 100 is comprised of four different classes based on human ecological requirements. Class 1 – the most stringent certification of the four – ensures that printed textile items are safe for babies and toddlers.



ErgoSoft Roland Edition RIP Software

ErgoSoft is well known in the textile and dye-sublimation market as one of the premier RIP solutions for digital textile production. The Roland Edition of this software is comprehensive, allows production to start immediately, and enables users to achieve optimum results from the XT-640 in either four- or eight-color mode. Users can also add various software options as needed. ErgoSoft Roland Edition includes:



- Print environments for six common fabrics in multiple print modes
- Ability to re-linearize or create new density linearization curves
- Superior color management technology, including color replacement using Swatchbooks and named Colorbooks
- Streamlined workflow
- Job Cost Calculation and other advanced production features
- Shrinkage correction
- Consistent quality output
- Highest color accuracy
- Step and repeat
- Tiling

Total Dye-Sublimation Solution – Roland Certified Media

Roland offers a total dye-sublimation solution to everyone in the dye-sublimation market, from novices to experts. Texart Sublimation Transfer Paper (SKU# DSM-RTP-443-64) is a high quality, 95 gsm coated paper. Not only does it hold inks well, it's also fast drying. The ErgoSoft print environments were also created using this paper. Printed images – whether fine and detailed or large and bold – can be wound up by the take-up system without any smearing or running. During the sublimation process at the heat press, You can expect to get a high release of inks from the paper to the polyester fabric or polymer-coated rigid substrate when heat pressing, resulting in vivid and eye-catching colors and images.



Print Mode and Speed

4-color

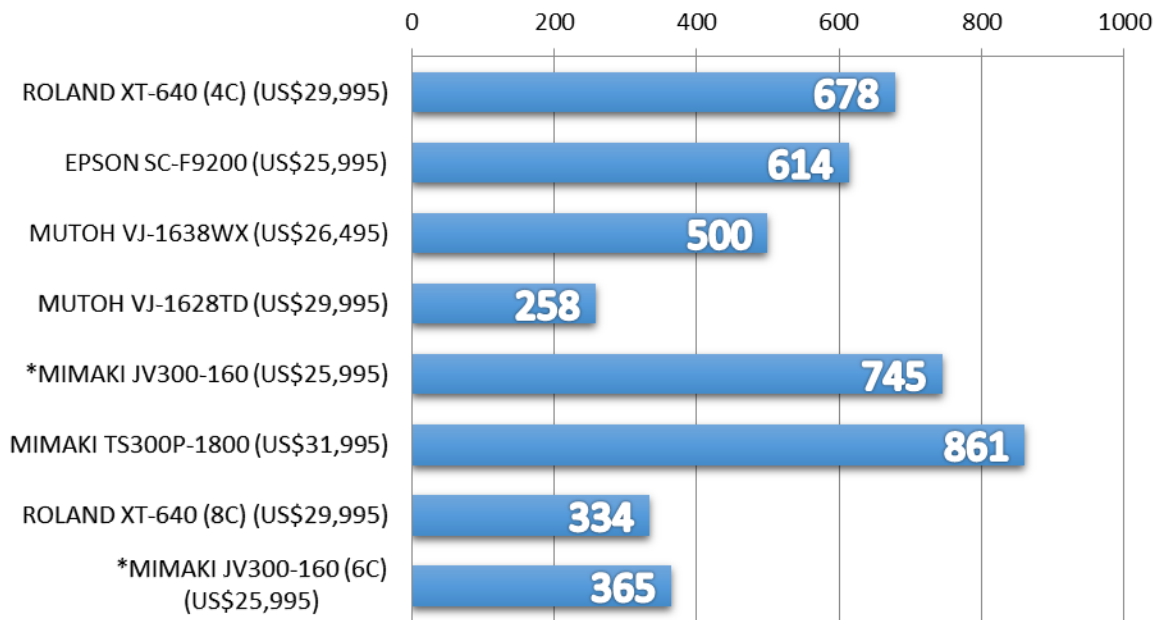
Print Environments		Print Mode	Resolution (dpi)	Pass	Direction	Speed
Decoration	Banner Satin Display Flag	High Speed	540 x 360	2	Bi	678 ft ² (63m ²)
		Production	540 x 360	3	Bi	441 ft ² (41m ²)
		Standard	360 x 720	4	Bi	323 ft ² (30m ²)
		High Quality 1	720 x 720	9	Bi	140 ft ² (13m ²)
		High Quality 2	720 x 1440	12	Bi	108 ft ² (10m ²)
Apparel	Tricot Smooth Tricot Emboss	High Speed	540 x 360	3	Bi	441 ft ² (41m ²)
		Standard	360 x 720	4	Bi	323 ft ² (30m ²)
		High Quality	720 x 720	9	Bi	140 ft ² (13m ²)

*Draft (360 x 360, 1-pass) is 1,098 ft² (102 m²)

8-color

Print Environments		Print Mode	Resolution (dpi)	Pass	Direction	Speed
Decoration	Banner Satin Display Flag	High Speed	540 x 360	4	Bi	334 ft ² (31m ²)
		Production	540 x 360	5	Bi	269 ft ² (25m ²)
		Standard	360 x 720	8	Bi	161 ft ² (15m ²)
		High Quality 1	720 x 720	16	Bi	75 ft ² (7m ²)
		High Quality 2	720 x 1440	24	Bi	54 ft ² (5m ²)
Apparel	Tricot Smooth Tricot Emboss	High Speed	540 x 360	5	Bi	269 ft ² (25m ²)
		Standard	360 x 720	8	Bi	161 ft ² (15m ²)
		High Quality	720 x 720	16	Bi	75 ft ² (7m ²)

Speed Comparison in SQF/HR (2-Pass, High Speed Mode)



** Note: Print speeds for Mimaki JV300-160 are for Banners/eco-solvent in four- and eight-color modes. There was no data available for dye-sublimation print speeds.*

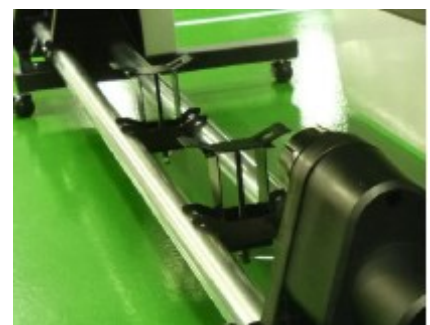
TU3 Take-up System

The XT-640's newly designed feed adjuster, combined with an included TU3 take-up system, facilitates accurate unattended printing. The TU3 includes a convenient front-mounted take-up roller and an advanced tension-controlled take-up unit for superior media feeding and tracking.

- Supports roll media up to 110 lbs. (50 kg)
- New dancer roller applies light tension to the media for stable take-up
- Dual shaft fixes the sliders firmly
- Adjustable take-up position for flexible paper core usage
- Support brackets for stable unloading/loading of media
- Roller releases the media automatically when the upper arrow key of the operation panel is pressed to rewind the media
- Select "TU" mode of SETUP menu to activate the TU3 operation
- Rotating shaft face decreases resistance for dramatic improvement in feeding accuracy
- Adjustable flanges allow for precise centering of smaller rolls



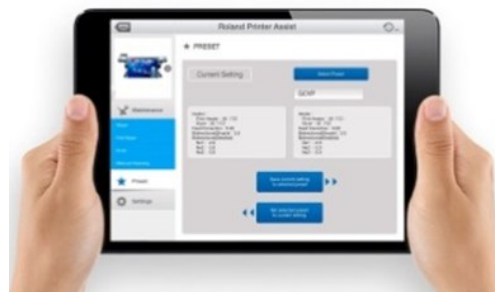
Adjustable sliders



Place media on support brackets for loading/unloading

Roland Printer Assist Tablet Control

Roland Printer Assist (RPA) is a free application that makes it easy to manage your printer and access its control panel directly from your iPad. With RPA, your printer status can be determined at a glance. RPA is available at the iTunes App Store.



With RPA you can:

- Remotely turn the printer on and off, check ink levels, view print status, perform calibration tests and make any necessary adjustments.
- Perform complete step-by-step maintenance processes and change consumable parts with interactive instructions.
- Manage multiple printers from one iPad.

Roland OnSupport®

Roland OnSupport is an online support portal that provides real-time feedback on machine status by sending e-mail alerts to the user's computer or smart phone. The system is designed to automatically notify users, for example, when a job is completed. Roland OnSupport also provides access to manuals, how-to and preventative maintenance guides, machine usage metrics, and periodic updates to firmware. It allows users to manage their productivity effectively and easily contact Roland when assistance is needed. Users can access all of the following information through OnSupport:








- Device name
- Ink type
- Serial number
- Firmware version
- Print time
- Motor operating time
- Job information (resolution, ink consumption)
- Number and frequency of cleaning cycles
- Number and frequency of sheet cuts
- Ink consumption
- Number and frequency of ink cartridges being inserted into the machine

Two-Year Trouble-Free Warranty

Roland products combine unbeatable performance with legendary Roland reliability. As further proof of the unmatched reliability of this advanced printer, Roland offers an unprecedented Two-Year Trouble-Free Warranty for the Texart RT-640 when equipped exclusively with Roland Texart SBL3 inks and the printer is registered within 60 days of delivery.



Competitive Snapshot

Competitive Machines	XT-640 Advantages
<p>Mimaki JV300-160</p> <p>64-inch Transfer Printer \$25,995 MSRP (\$18,500 - \$25,995 street price)</p> 	<p>XT-640 is designed specifically for dye-sublimation.</p> <p>ErgoSoft is a premier RIP software specifically designed for dye-sublimation.</p> <p>XT-640 has four- and eight-color print modes (Mimaki has four- and six-color print modes).</p> <p>TU3 take-up reel is more robust with a dancer bar (Mimaki JV300-160 has a tension-fed reel without the dancer bar).</p>
<p>Mimaki TS300P-1800</p> <p>77-inch Transfer Printer \$31,995 MSRP (\$29,995 - \$31,995 street price)</p> 	<p>ErgoSoft is a premier RIP software specifically designed for dye-sublimation.</p> <p>XT-640 has a two-year warranty (Mimaki TS300P-1800 has a one-year warranty).</p>
<p>Epson SC-F9200</p> <p>64-inch Transfer Printer \$25,995 MSRP (\$23,995 - \$25,995 street price)</p> 	<p>Ergosoft is a premium and easy-to-use RIP software for dye-sublimation.</p> <p>XT-640 has four- and eight-color print modes (Epson has four-color print mode only).</p> <p>XT-640 has a two-year warranty (Epson has a one-year warranty).</p>
<p>Mutoh VJ- 1638WX</p> <p>64-inch Transfer Printer \$26, 495 MSRP (\$24,995 - \$26,495 street price)</p> 	<p>XT-640 comes with ErgoSoft (Mutoh does not come with a Textile RIP).</p> <p>XT-640 has an integrated bulk ink system.</p> <p>XT-640 has 40 percent higher roll weight capacity (printer: 88 lbs., TU-3: 110 lbs.).</p> <p>XT-640 has a two-year warranty (Mutoh has a one-year warranty).</p>
<p>Mutoh VJ-1628TD</p> <p>64-inch Direct or Transfer Printer \$29,995 MSRP (\$26,995 - \$29,995 street price)</p> 	<p>XT-640 comes with ErgoSoft (Mutoh does not come with a Textile RIP).</p> <p>XT-640 has an integrated bulk ink system.</p> <p>XT-640 is 62 percent faster than Mutoh VJ-1628TD.</p> <p>XT-640 has 40 percent higher roll weight capacity (printer: 88 lbs., TU-3: 110 lbs.).</p> <p>XT-640 has a two-year warranty (Mutoh has a one-year warranty).</p>

Specifications

Texart XT-640 Specifications		
Printing method		Piezo ink-jet method
Media	Width	Maximum 64 in. (1,625 mm)
	Thickness	Maximum 39 mil (1 mm)
	Roll outer diameter	Maximum 8.3 in. (210 mm)
	Roll weight	Maximum 88 lbs. (40 kg)
	Core diameter (*1)	3 in. (76.2 mm) or 2 in. (50.8 mm)
Printing width (*2)		Maximum 63.6 in. (1,615 mm)
Ink pouches	Types	SBL3 Texart dye-sublimation ink (1L/pouch)
	Colors	Four colors (cyan, magenta, yellow, black) Eight colors (cyan, magenta, yellow, black, light cyan, light magenta, orange, violet)
Printing resolution (dpi)		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		AC100V to 240V $\pm 10\%$, 1.5A, 50/60Hz
Power consumption	During operation	Approx. 750 W
	Sleep mode	Approx. 70 W
Acoustic noise level	During operation	62 dB (A) or less
	During stand by	45 dB (A) or less
Exterior dimensions (with stand)		111.7 in. (W) x 32.7 in. (D) x 65 in. (H) (2,835 mm (W) x 830 mm (D) x 1,650 mm (H))
Weight (with stand)		471.8 lbs. (214 kg)
Environmental	Power on (*4)	Temperature : 18°C to 25°C (64.4 to 77°F), Humidity : 35 to 65% RH (non- condensing)
	Not operating	Temperature : 5°C to 15°C (59 to 86 °F), Humidity : 20 to 80% RH (no condensation)
RIP software		ErgoSoft Roland Edition

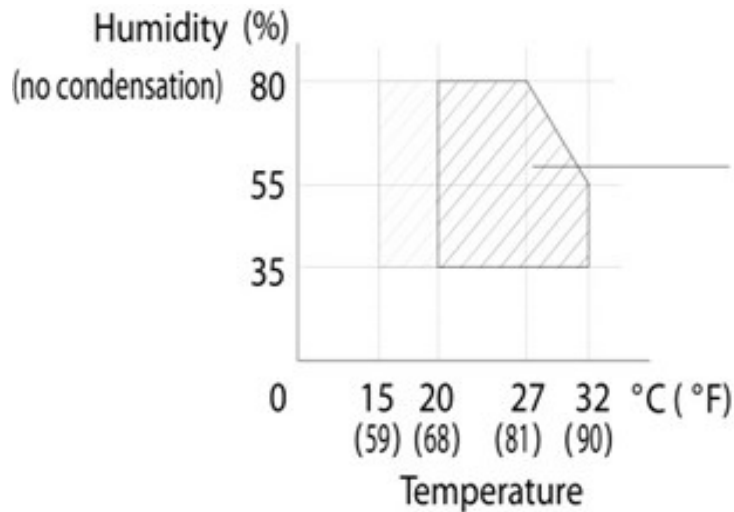
*1 The media holder of this machine is exclusively for media with a paper tube core inner diameter of 3 inches. To use a 2-inch media core, please use the optionally available media flanges.

*2 The length of printing is subject to the limitations of the program.

*3 Media type: Media specified by Roland DGA, 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: 1m

*4 Operating environment

Optimal Print Environment



Application software compatible with Printer

Adobe® Illustrator® 10, CS, CS2, CS3, CS4, CS5, CS6, CC
CorelDRAW® 11, 12, X3, X4, X5, X6, X7

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 × 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Optical drive	DVD-ROM drive