

# Texart

Multi-Function Direct & Indirect Sublimation Printer

**RT-640M**



 Roland



# MULTI-FUNCTION SUBLIMATION DEVICE. PRINT ONTO TRANSFER PAPER AND DIRECT-TO-TEXTILE.

The Texart RT-640M is a multi-function large format sublimation printer, cleverly designed to enable printing both directly onto transfer paper and direct-to-textile within one single affordable device. The best choice for short run, on-demand production, the RT-640M delivers maximum versatility, flexibility and outstanding print quality. Why make the choice between an indirect or direct sublimation printer, when you can buy one that does both?



DIGITAL  
TRANSFER  
PRINTING  
ON PAPER

- CALENDER
- HEAT PRESS
- 3D VACUUM



# Texart RT-640M



**DIGITAL  
DIRECT  
PRINTING  
ON TEXTILE**

• CALENDER  
• REACTIVATOR  
OVEN



## Direct Printing and Digital Transfer

The unique printing capabilities of the RT-640M mean that you can print directly onto polyester-based/coated textiles, as well as dye-sublimation transfer paper, using the same ink and RIP. There's simply no other device in its class that can do this all-in-one.

Using specially formulated Texart sublimation inks, and the industry-leading Ergosoft Roland Edition 2 RIP software (included in the printer package), you simply need to add a post-printing sublimation system (such as a heat press, calender, 3D vacuum or reactivator oven), to have everything required to enter into the profitable world of textile printing.

## Even tensioning and no skewing

The RT-640M is equipped with an adjustable front roller system, to ensure stable and uninterrupted production. And combined with a media take-up system delivers even tensioning, with no skewing.

With an ink collection channel within the printer bed, the RT-640M will print perfectly onto thin substrates, such as voile or flag materials. The results are detailed, precise and accurate prints – wound perfectly onto the take-up system, in preparation for heat fixation.

### 4 colour CMYK

|                              |             |
|------------------------------|-------------|
| High Speed (540x360/2PASS)   | 32.6 sqm/gr |
| Production (540x360/3PASS)   | 22.0 sqm/gr |
| Standard (360x720/4PASS)     | 16.0 sqm/gr |
| High Quality (720x720/8PASS) | 8 sqm/gr    |

### 8 colour CMYKcLmLyOrViFpFy

|                               |             |
|-------------------------------|-------------|
| High Speed (540x360/4PASS)    | 16 sqm/gr   |
| Production (540x360/6PASS)    | 10.7 sqm/gr |
| Standard (360x720/8PASS)      | 8 sqm/gr    |
| High Quality (720x720/12PASS) | 5.4 sqm/gr  |

## A wide range of Materials

The RT-640M device enables printing onto a huge variety of different materials and items.

Using the indirect transfer method (with paper) you can image onto polyester fabrics, mixed polyester/cotton\*, LYCRA®, nylon, coated surfaces and pre-treated metals.

When printing directly, there is a wide variety of single and double-sided pre-coated polyester fabrics available; such as flag polyester, mesh, backlit, voile, block out and banners.

## Vivid colours, smooth gradations and super-sharp images with Texart inks

The RT-640M uses specially formulated Roland Texart SBL3 ink in 1000cc pouches, offering fast drying times and transfer rates. As well as stunning colour vibrancy, robust washability and high quality output on a whole range of materials.

Available in 4-colour (CMYK) and 8-colour (CMYKcLmLyOrVi) Texart ink produces vivid colours with rich blacks and sharp detail. In 8-colour, the addition of Orange and Violet ink delivers an extremely wide colour gamut, with bright reds, intense oranges, and deep purples, while Light Cyan and Light Magenta offer subtle gradations and delicate skin tones.

Texart ink is also available in Fluorescent Pink and Yellow ink that produces hundreds of vivid fluorescent colours and soft pastel shades for fashionable sportswear, decor and eye-catching signs.

## ErgoSoft Roland Edition 2

Developed to perfectly integrate with the Roland RT-640M, ErgoSoft Roland Edition 2 combines intuitive image editing and print output tools with extensive colour management and enhanced workflow features — enabling users to take on multiple print jobs with minimum waste and maximum results. ErgoSoft Roland Edition 2 features a PDF engine for faster RIP times and processing (up to 40% faster), a simplified profiling process for 8 colour ink set, the ability to create or import Colour Books (including FOGRA and Pantone®) and many other features designed to automatically optimise your colour output and streamline your workflow.



# Texart RT-640M



ErgoSoft RIP  
Roland Edition 2  
High Fidelity RIP Solution



VersaWorks  
Texart ink



| Specifications                      |                     |   |
|-------------------------------------|---------------------|---|
| Printing technology                 |                     | Piezoelectric inkjet  |
| Media                               | Width               | 259 to 1625 mm (10.2 to 64 in.)   |
|                                     | Thickness           | Max. 1 mm (39 mil)  |
|                                     | Roll outer diameter | Max. 210 mm (8.3 in.)   |
|                                     | Roll weight         | Max. 40 kg (88 lb)  |
|                                     | Core diameter*1     | 76.2 mm (3 in.) or 50.8 mm (2 in.)  |
| Printing width*2                    |                     | Max. 1615 mm (63.6 in.)   |
| Ink                                 | Types               | Texart ink, 1000 cc pouch   |
|                                     | Colours             | 4 colours (Cyan, Magenta, Yellow, Black)<br>8 colours (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, Orange, Violet)<br>8 colours (Cyan, Magenta, Yellow, Black, Fluorescent Pink, Fluorescent Yellow, Orange, Violet) (Choose from CMYK+LcLmOrVi and CMYK+OrViFpFy options) |
| Printing resolution (dots per inch) |                     | Max. 1440 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)             |                     | 2650 (W) x 795 (D) x 1600 (H) mm (104.4 x 31.3 x 63 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 (no condensation)   |
|                                     | Power off           | Temperature: 15 to 30°C (59 to 86°F), humidity: 20 to 80%RH (no condensation)   |
| Included items                      |                     | RIP software, take-up system, exclusive stands, power cable, media clamps, media holder, User's Manual, etc.  |
| Software                            |                     | For 4 colour ink configuration a choice of either VersaWorks 6 or ErgoSoft Roland Edition 2<br>For 8 colour ink configuration ErgoSoft Roland Edition 2   |

\*1 The media holder for this machine is exclusively designed for media rolls with a paper tube measuring 76.2 mm (3 in.) in diameter. To use 50.8 mm (2 in.) 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, 1000cc               |
|            | SBL3-MG     | Magenta, 1000cc            |
|            | SBL3-YE     | Yellow, 1000cc             |
|            | SBL3-BK     | Black, 1000cc              |
|            | SBL3-LC     | Light cyan, 1000cc         |
|            | SBL3-LM     | Light magenta, 1000cc      |
|            | SBL3-OR     | Orange, 1000cc             |
|            | SBL3-VI     | Violet, 1000cc             |
|            | SBL3-FP     | Fluorescent pink, 1000cc   |
|            | SBL3-FY     | Fluorescent yellow, 1000cc |

| VersaWorks 6 System Requirements |   |
|----------------------------------|---|
| Operating System                 | Windows® 10 (32/64-bit)<br>Windows® 8/8.1 (32/64-bit)<br>Windows® 7 Ultimate/Professional (32/64-bit) |
| CPU                              | Intel® Core™ 2Duo, 2.0 GHz or faster recommended  |
| RAM                              | 2 GB or more recommended  |
| Video card and monitor           | A resolution of 1280 x 1024 or more recommended   |
| Free hard-disk space             | 40 GB or more recommended   |
| Optical drive                    | DVD-ROM   |
| Other                            | Internet connection recommended   |

| Ergosoft Roland Edition 2 |   |
|---------------------------|---|
| Operating System          | Windows® 10 (32/64-bit)<br>Windows® 8/8.1 (32/64-bit)<br>Windows® 7 Professional (32/64-bit)<br>Windows® 7 Home (32/64-bit) |
| CPU                       | Intel® Core™ i3; 3 GHz or faster recommended  |
| RAM                       | 8 GB or more recommended  |
| Video card and monitor    | Screen resolution of 1600 x 900 or higher recommended   |
| Free hard-disk space      | 100 GB or more recommended  |