

DigiPro

Why Choose DigiPro?

Industrial laundries, textile manufacturers, and corporate clothing producers rely on a vast stock of textile emblems. They benefit from short delivery times, low transportation costs, and minimal investments. DigiPro provides a solution on all fronts. With DigiPro, you can internally produce your textile emblems, ensuring your ability to respond flexibly to market demand. Thanks to DigiPro, you have access to an advanced UV inkjet printer with a cutting plotter that is easy to operate. When combined with specially designed textile rolls with thermoplastic adhesive by Thermopatch, you can effortlessly create emblems in any shape and color, in the highest quality. DigiPro maximizes your business's flexibility.

How does it work?

With DigiPro's in-house printing options, you can get started right away. All you need is a suitable space at your location. The essential components of the DigiPro concept include:

- A professional inkjet printer with an integrated cutting plotter
- Textile rolls with a thermoplastic adhesive layer
- Design support

Using the versatile printer with a cutting plotter and accompanying software, you can create emblems of any size, shape, and color quickly. It's even possible to print photographic images. Afterward, you instruct the printer via a computer or laptop to precisely cut the prints, resulting in immediately usable emblems. And just as important, all emblems you produce are industrially washable.

DigiPro is integrated with both the Roland MG-640 and the Roland MG-300, providing options tailored to your specific production needs.

- **Roland MG-640:** The ultimate choice for top-quality emblem printing and cutting. LED lights in the printer ensure that UV inks dry instantly without generating heat, allowing seamless printing on thermoplastic adhesive-backed textiles. The MG-640 also serves as a cutting plotter, enabling you to create precise contours.
- **Roland MG-300:** A compact and efficient alternative, perfect for smaller-scale operations or limited workspace. Like the MG-640, the MG-300 features UV inkjet printing and cutting capabilities, ensuring the same high-quality results on thermoplastic adhesive-backed textiles. Its smaller footprint makes it an ideal choice for businesses looking to achieve high-quality emblem production on a more modest scale.

Textile rolls for DigiPro

With DigiPro, we aim to provide ease of use and top quality for our clients. That's why we offer specially developed textile rolls for DigiPro with a thermoplastic adhesive layer, ensuring perfect results. The choices include Digiline, Digiline Pro, and Digiline FR as base materials, ideal for further processing on heat seal presses. The rolls are 135 centimeters wide and come in rolls of up to 20 meters in length.

Software and Training

The Roland MG-640 and MG-300 printers with integrated cutting plotter and related software are supplied by Thermopatch. We are also responsible for installation, maintenance, and training.

Thermopatch's Design Studio services

Before you can print an emblem with the Roland MG-640/MG-300, a design file is required, including the necessary colors and cutting lines. You can make use of Thermopatch's Design Studio services through the online portal. Simply place your order, and our team will ensure that a ready-to-use file is available to you within 24 hours.

		MG-640	MG-300
Size		64 inch	30 inch
Dimension		2,819 × 781 × 1,316 mm (111 × 31 × 52 in.)	1,945 × 781 × 1,316 mm (77 × 31 × 52 in.)
Media	Width	210 to 1,625 mm (8.3 to 64 in.)	182 to 762 mm (7.2 to 30 in.)
	Thickness	Max. 1.0 mm (39.3 mil) with liner, for printing Max. 0.4 mm (15.7 mil) with liner and 0.22 mm (8.6 mil) with outliner, for cutting	
	Roll outer diameter	Max. 210 mm (8.2 in.)	
	Roll weight	Max. 40 kg (88 lb.)	Max. 25 kg (55 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8 mm (2 in.)	
Ink	Inks	Eight Colors (Cyan, Magenta, Yellow, Black, Orange, Red, White, Gloss) and Primer, Decal Release Primer, Shrink Inks	
	Capacity	220 / 500 ml cartridge (ECO-UV)	
		CMYKOrReWhGI CMYKOrReWhWh CMYKOrReW hPr CMYKReW hGIPr CMYKWhGIGIDe CMYKWhW hGIPr CMYKWhWhGIGI CMYKCMYK	
	Resolution	Max. 1,440 dpi	
RIP (included)		VersaWorks	
Cutting	Cut pressure	500 gf	
	Cut speed	10 to 300 mm /s (0.39 to 11.8 in./s)	

The specifications, design, and dimensions mentioned are subject to change without prior notice.

¹*Print or cut length depends on program limitations.*

²*500 gf is the maximum immediate blade force. Blade force should be set based on details such as media thickness.*

³*Operating environment (for use in a business environment within this range.)*