Direct to Garment Printer
With Inkjet Pretreament System

RICOH Ri 4000

Print directly onto polyester. Built-in inkjet enhancer prepares the fabric.

RICOH
imagine. change.

RICOH

RICOH Ri 4000

Inkjet Enhancer

Light Garments

Dark Garments

100% Polyester

DTF Film

Hoodies and Bags

Socks and Sleeves

Metallic Foil

Say goodbye to manual pretreatment; the Ri 4000 automatically prepares garments.
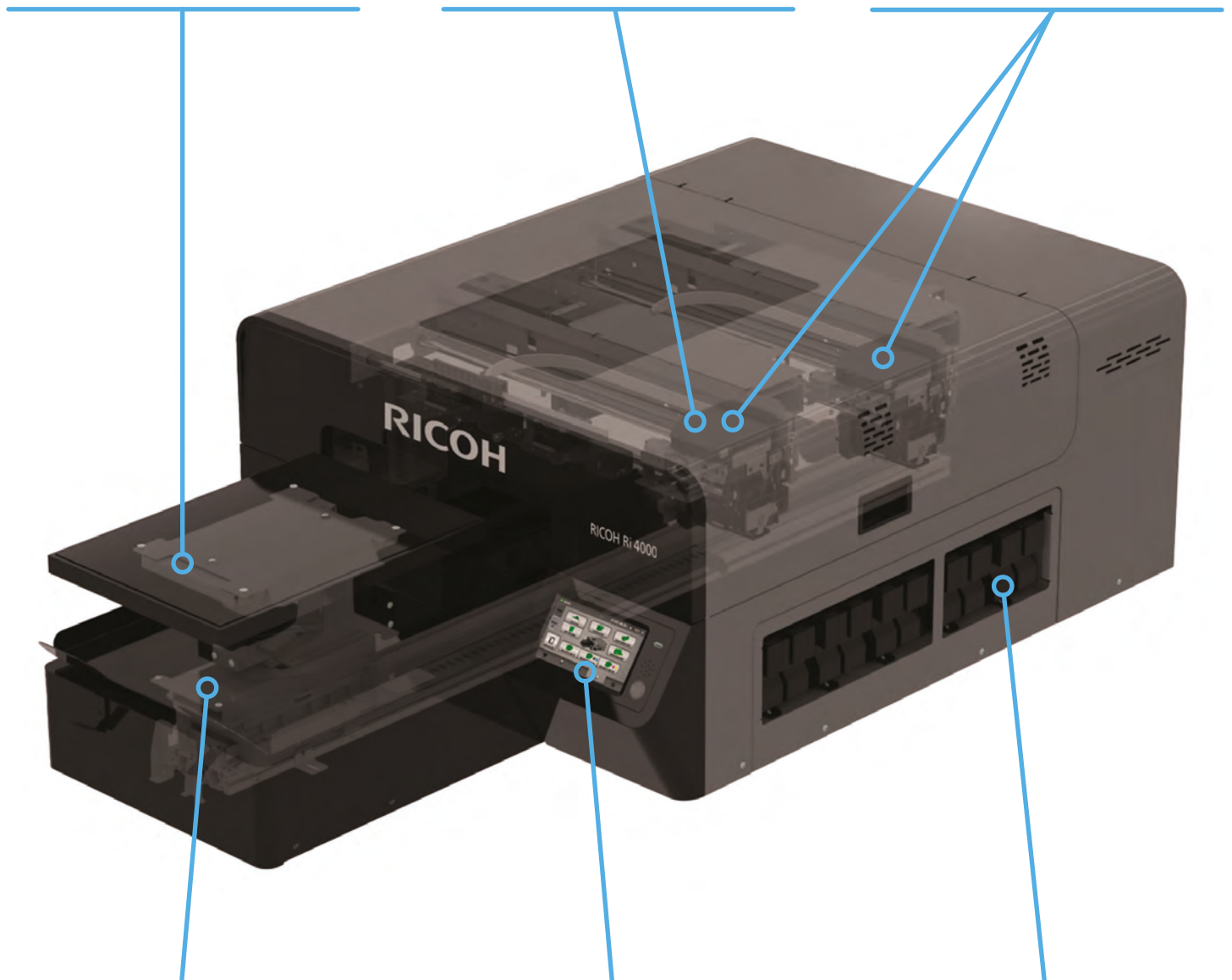
Quick-change platens

Move swiftly from one garment to the next. Select from an array of optional frames. Changing the quick-release platens is simple. Print super-sized panels of up to 498 x 406 mm.

High-performance print heads

The Ri 4000 is equipped with genuine RICOH piezo-electric drop-on-demand print heads. Engineered for speed, precision and durability, they deliver impeccable results.

Dual ink carriages

Pre-treatment and printing is assured. The first ink carriage lays down our pretreatment enhancer. The second carriage lays down our eco-friendly CMYK and White garment inks.

Auto platen adjustment

Easily switch between substrates. Let the Ri 4000 adjust the platen. Automatic laser-assisted height adjustment speeds up your workflow and ensures optimum quality.

Smart 7" touchscreen

Make everyday operation easy. The 7" colour touchscreen panel delivers smart alerts and offers intuitive operation. It even displays QR code links to support videos.

New inkjet enhancer

Print directly onto polyester. Saving you time, the enhancer pretreats garments. Ricoh's inks are safe, long-lasting and vibrant. And they now deliver stunning results on polyester.

Expand your product range, streamline production processes and reduce costs.

Pretreatment? We've got it covered.
The RICOH Ri 4000 is a game changer. Our built-in enhancer technology signals an end to manual pretreatment. Saving you time and money, the Ri 4000 automatically pretreats garments.

Print directly onto polyester.
Expand your range by printing directly onto polyester. Create eye-catching sports and leisure wear. Our direct-to-garment inks and newly developed enhancer ensure stunning quality.

ColorGATE TPS drives production.
With our bundled, industry-leading ColorGATE Textile Production Server (TPS) software driving production, the Ri 4000 can print a stunning CMYK image in around two minutes.

Add a white background to designs and motifs.
Produce vibrant, stand-out graphics on coloured garments. With ColorGATE's new Dark Garment Mode, it is easy to add a white background to your designs and motifs.

Produce luxurious, soft-touch apparel.
Ricoh's drop-on-demand technology produces richly coloured, deep fill graphics. Absorbed into the fabric, our garment inks impart a soft and luxurious feel to your garments.

Proudly promote your ECO credentials.
Open your doors to sustainable production. Our water-based pigment inks meet ECO PASSPORT safety standards, meaning they are safe to work with and safe to wear.

Decorate umbrellas, backpacks, and other merchandise.
The RICOH Ri 4000 also supports direct-to-foil printing. Using foil as an intermediary, you can now decorate umbrellas, backpacks, and a wide variety of other merchandise.

Intuitive operation simplifies workflow.
The 7″ colour touchscreen panel makes operation easy. You can preview designs on the display, monitor progress in real time, and respond instantly to smart alerts.

Magnetic platens streamline production.
Pivot quickly from one job to the next. Our quick-release platens can be exchanged in seconds, and with the Ri 4000 automatically adjusting the platen height, your next job is ready to print.

Primed and ready to go.
Our intelligent automatic cleaning system, coupled with automatic white ink agitation, ensure the Ri 4000 is ready to print the moment your shift starts.

Instantly access online support.
Maintaining print technology needn't be a chore. QR codes displayed on the Ri 4000 touchscreen panel link you instantly to our comprehensive online support videos.

ColorGATE

RICOH Ri 4000

Printer Type:	Direct-to-Garment (DTG) and Direct-to-Foil (DTF)
	Integrated pretreatment system
	CMYK+W inks
Technology:	RICOH piezo-electric drop-on-demand ink heads
	8 print heads / 16 channels / 192 nozzles per channel
Inks:	RICOH direct-to-garment inks
Pretreatment:	RICOH direct-to-garment enhancer
Delivery System:	Individual cartridges with closed-loop delivery system
	Automatic white ink circulation
Cartridges:	Cyan, Magenta, Yellow, Black, White, and Enhancer
Printable Area:	406 x 498 mm (maximum with optional large platen)
Resolution:	Super Fine: 1200 x 1200 dpi / 16 pass
	Fine: 600 x 600 dpi / 8 pass
	Speed: 600 x 600 dpi / 4 pass
Typical Print Speed:	Speed mode: 92 seconds
	Fine mode (standard): 123 seconds
	Super Fine mode: 187 seconds
	(CMYK, 254 x 203mm)
	Speed mode: 221 seconds
	Fine mode (standard): 252 seconds
	Super Fine mode: 306 seconds
	(CMYK+W, 254 x 203mm)
Printable Substrates:	Polyester, polyester/cotton blends, cotton (needs external pretreatment), and DTF
Table Height Adjustment:	Automatic laser-assisted table height adjustment
Fabric Thickness:	Up to 30 mm
Platens:	Large: 406 x 498 mm (option)
	Medium: 320 x 457 mm (included)
	Small: 266 x 330 mm (option)
Curing Times:	Dark polyester: 120 seconds at 120°C
	White polyester: 120 seconds at 160°C
	Dark cotton: 120 seconds at 160°C
	White cotton: 120 seconds at 160°C
	(Heat press, conveyor times vary)
Maintenance Features:	Precise ink monitoring, automatic ink maintenance system, automated print head cleaning, power purge system to help fill and remove ink from system
Operating Conditions:	Guaranteed: 15 - 32°C / 45 - 80% humidity
	Recommended: 18 - 25°C / 45 - 70% humidity
Dimensions (W x D x H):	882 x 1662 x 500 mm
Weight:	135 kg
Power Source:	220 - 240V, 50/60Hz, 1.1A
Power Consumption:	Maximum (Operation): <320 W
	Standby: 29 W
Connectivity:	USB drive and Ethernet

ColorGATE PS23 System Requirements

Recommended Applications:	Photoshop/Illustrator/CorelDraw/Action Illustrated
Compatible File Formats:	TIFF, PNG, JPG, BMP, PSB, PSD (PDF, PS, EPS are supported for non-bundled editions)
Operating System:	Windows 10 (Pro, Enterprise), Windows 11, Window Server 2016, Windows Server 2019, Apple MacOS with Parallels Desktop
Processor:	CPU: Intel Core i3-2100 I or AMO Athlon II X2 340 (or better)
Memory:	4GB RAM (minimum)
Storage:	120GB free disk space (minimum)
Display Resolution:	1280 X 1024

Ricoh's water-based pigment inks and enhancer are ECO PASSPORT certified.

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ECO PASSPORT

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