Direct-to-Garment printer with
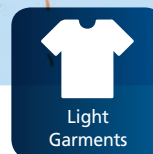integrated pretreatment system

RICOH Ri 4000

Prints directly onto cotton and polyester.
No external pretreatment necessary!

texgraff

Garment Decoration & Textile Printing Solutions

RICOH

RICOH Ri 4000

| Integrated Pretreatment | DTF Film | Light Garments | Coloured Garments |
| Auto-Height-Adjustment | 100 % Cotton | 100 % Polyester | OEKO TEX® ECO PASSPORT |
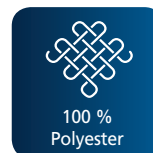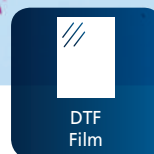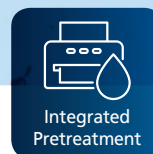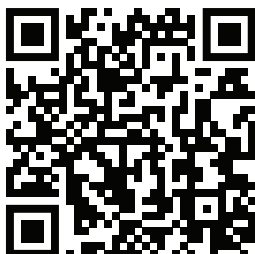
No more external pretreatment necessary, because it's built in!

Quick-change pallets

Switch from one textile to the next in no time at all. Changing pallets is easy and you have a choice of different optional frames. Print your motifs up to a format of 498 x 406 mm.

High-Performance printheads

The Ri 4000 is equipped with piezo-electric drop-on-demand printheads from RICOH. They are designed for speed, precision and durability and deliver perfect results

Double printing unit

The Ri 4000 has two printing units. The first printing unit applies the pretreatment, the second our Eco-Passport certified textile inks.
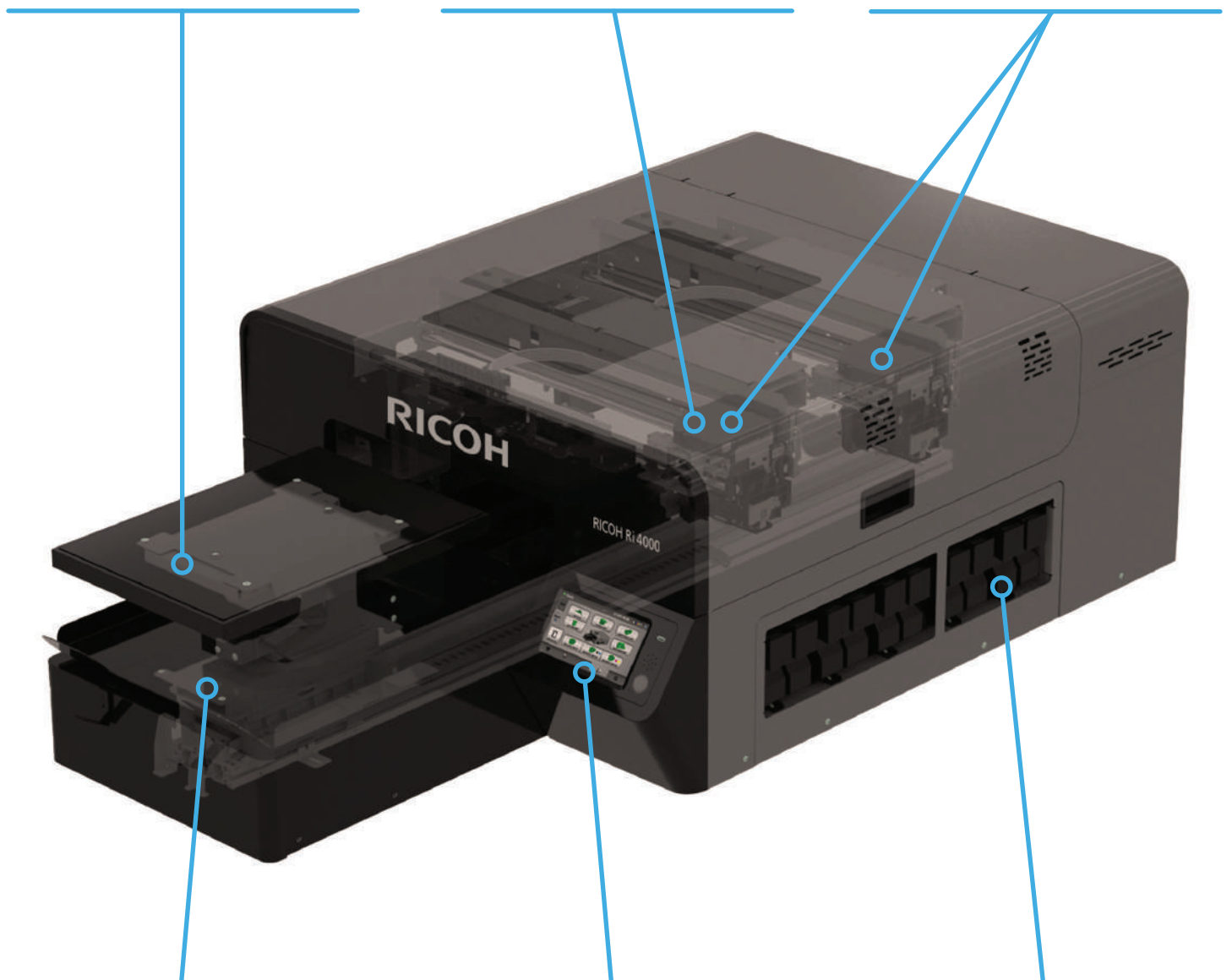
Automatic height adjustment

Leave the adjustment of the printing table to the Ri 4000. The automatic, laser-assisted height adjustment speeds up your workflow and ensures optimum quality.

Smart 7" Touchscreen

The 7-inch colour touchscreen panel provides intelligent warning messages, offers intuitive operation and makes everyday work easier. Integrated QR code links help to answer questions quickly and easily

Integrated pretreatment

Print directly onto cotton and polyester! The built-in pretreatment technology and the optimised enhancer give you maximum flexibility for your production.

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

Pretreatment? No problem!

The RICOH Ri 4000 is unique in its class. Our integrated enhancer technology puts an end to manual pretreatment. With the Ri 4000 you can save time and money as it automatically pretreats the textiles. The use of an external pretreatment machine is no longer necessary. This not only reduces labour time but also the production area required.

The RI 4000 pretreatment is printed only where it is needed. Colour changes in the textile and a reinforced press frame are a thing of the past! With the Ri 4000 you raise your quality standard to the next level of textile production. Unrivalled!

Print directly onto cotton and also onto polyester.

Expand your range by printing directly onto almost any fabric.
Create eye-catching sports and leisurewear.

DTF-Ready for an expanded portfolio.

DTG printing is the method of choice for large-format prints in particular. However, special substrates or special applications nowadays benefit from Direct-to-Film technology (DTF). With the RI 4000, you can print DTF sheet material and apply it later. This means that even products such as umbrellas or jackets can be printed, or neck labels and sleeve prints can be applied efficiently.

Low maintenance effort.

The Ri 4000 impresses with its low maintenance requirements. Thanks to its intelligent, automatic cleaning system in conjunction with the ink circulation for the white ink, your Ri 4000 is always ready for use.

Latest ink generation.

The new ink developed for the Ri 4000 is the latest generation of ink development. The ink sediments much more slowly than conventional DTG inks and can be reactivated at any time by shaking. This means that your system remains ready for use even after long periods of downtime!

ColorGATE TPS - colour fastness at industrial level.

The RI 4000 is supplied with the industry-leading ColorGATE Textile Production Server (TPS) software. This ensures perfect colour reproduction with comprehensive colour management. Built-in spot colour libraries help you to reproduce defined colours in the best possible way.
ColorGATE's unique dark garment mode automatically creates the necessary white background. The optimised white background helps you to save ink and ensures a softer handle of the textiles.

ColorGATE

RICOH RI 4000
SYSTEM SPECIFICATIONS

RICOH Ri 4000

Printer Type:	Direct-to-Garment (DTG) and Direct-to-Film (DTF)
	Integrated pretreatment system
	CMYK+W inks
Technology:	RICOH piezo-electric drop-on-demand print 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 203 mm)
	Speed mode: 221 seconds
	Fine mode (standard): 252 seconds
	Super Fine mode: 306 seconds
	(CMYK+W, 254 x 203 mm)
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 PS24 System Requirements

Recommended Applications:	Photoshop / Illustrator / CorelDraw
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

OEKO TEX®

ECO PASSPORT

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

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Garment Decoration & Textile Printing Solutions

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