

Direct to Garment Printer

RICOH Ri 100

RICOH
imagine. change.



Ri 100

1200
dpi

full colour



A Direct to Garment printer for anyone, anywhere!

The RICOH Ri 100 invigorates the world of Direct to Garment (DTG) printing with its space-saving design. The RICOH Ri 100 prints designs and photographs directly onto garments using state-of-the-art inkjet technology. You can easily and safely print a wide range of long-lasting products, whether you are a beginner or experienced print service provider. A one-of-a-kind T-shirt or a personalised bag can be printed for your customers to take away immediately.

It has never been easier to expand your business with one Direct to Garment printer.

Start your custom garment printing service in a snap

- Low initial investment required
- A complete solution from one trusted vendor
- Professional high-quality prints

The Ri 100 is opening up new worlds for creatives. Ricoh provides a complete solution for Direct to Garment printing that includes printer and optional heating system. With a fast ROI and an easy-to-use design, the RICOH Ri 100 ensures you are ready to grow your business. Since all printing is on-demand, you only need to keep a minimum stock of substrates on-hand.

The convenience of in-house equipment

- Print on-demand
- Simple print workflow
- Offer personalised decorated garments produced in-house

Flexibly respond to the changing needs of your customers. Deliver high-quality promotional and personalised garments quickly and without the need for minimum order quantities.

Extra added value from print services

- Expand the scope of your printing with innovative printed garments such as photo gifts and souvenirs
- Attract new types of customers
- Your print output is only limited by your imagination – print on fabrics or finished garments such as T-shirts, sweatshirts, cushion covers and tote bags

Expand your business with new creative concepts and applications from one easy-to-use device. Create new revenue streams by attracting new customers and add value for your existing customers. You are in complete control.

5 key advantages of the RICOH Ri 100



Compact size

The RICOH Ri 100 has a small footprint and can fit into a space as small as 40 x 70 cm, making it one of the smallest DTG printers available. The printer and its heating system can be stacked to maximise functionality without sacrificing your valuable space.



High-quality prints

Achieve crisp and detailed high-quality prints for your customers thanks to Ricoh's inkjet technology. Preserve the look and feel of natural fabrics with vibrant colour-fast prints using eco-friendly, water-based pigment inks that will not crack over time.



Easy-to-operate design software

Whether you are an experienced professional or DTG beginner, Ricoh Design Software lets you edit images before printing, with no specialised knowledge or skills required. Even smartphone photographs can be printed with ease.



Unbelievable fast ROI

The RICOH Ri 100 is a very affordable and low-risk investment, providing high value and fast ROI. The Ri 100 makes it more cost-effective to start DTG printing as there are no additional setup costs required.



Excellent operability, safety and easy maintenance

This printer is incredibly easy to use and you do not have to compromise on safety. The intuitive design allows the operator to prepare, print and cure the design safely. Periodic maintenance is carried out through a simple process automatically and semi-automatically by a system prompt.

Print in 5 simple steps



Step 1 – Choose the design

Use the print driver or Ricoh Design Software to send the print job to the printer through for example a wireless network.



Step 2 – Set fabric

Simply set garment in the tray.



Step 3 – Press

Insert the tray into the heating system to smooth out creases and flatten fibres.



Step 4 – Print

Just load and unload the tray with the garment – it is that easy.



Step 5 – Cure

Use the heating system with built-in safety features to cure the ink for long-lasting results.

RICOH Ri 100 Direct to Garment Printer

SYSTEM SPECIFICATIONS

GENERAL

Printer Type:	Direct to Garment printer	Power Consumption:	Active	Less than 27.5W
Technology:	Piezo-electric drop on demand inkjet system		Sleep	Less than 2W
Resolution:	600 x 600 dpi		Power off	Less than 0.5W
	1200 x 1200 dpi	Operating Conditions:	Temperature:	15°C - 32°C
Print Speed:	Speed Mode: 1 minute 20 seconds or less		Relative Humidity:	15% - 80% RH
	Fine Mode: 2 minutes 30 seconds or less	Warm-up Time:		Less than 35 seconds
Printable Area:	A4 Tray 291 x 204 mm	Supported Environments:		Windows Vista, Windows Server 2008/2008 R2, Windows 7, Windows 8.1, Windows Server 2012/2012 R2, Windows 10, Windows Server 2016, Mac OS X 10.9 or later
	A5 Tray 204 x 142 mm	Host Interface:		USB 2.0 High Speed, Ethernet 10BASE-T/100BASE-TX, Wireless LAN IEEE 802.11 b/g/n
Fabric:	100% cotton, cotton blends with min. 50% cotton	Network Protocol:		TCP/IP
Garment Type:	T-shirt, tote bag, sweatshirt, polo shirt, cushion cover	Memory:		128MB RAM (std. / max.)
Fabric Thickness:	Less than 4 mm			
Table Height Adjustment:	Automatic or manual			
Maintenance Features:	Automated and semi-automated maintenance			
Dimensions (W x D x H):	399 x 698 x 293 mm			
Weight:	Less than 25 kg			
Power Source:	220 - 240V, 50/60Hz			

CONSUMABLES

Ink Type:	Water-based pigment ink
Ink Colours:	Cyan, magenta, yellow, black (CMYK)

OPTION

RICOH Rh 100	Cure Mode:	Non-contact heating
	Press Mode:	Contact heating
	Cure Time:	3 minutes*
	Press Time:	30 seconds*
	Dimensions (W x D x H):	400 x 600 x 220mm
	Weight:	Less than 16.5 kg
	Power Source:	220 - 240V, 50/60Hz
	Energy Consumption:	Less than 1300W
	Maximum Temperature:	180°C

* The optimum time may vary depending on the fabric and temperature. Ricoh recommends to evaluate the fabric to be used in advance.

RICOH Tray for Standard Size Type 1 (A4)
RICOH Tray for Small Size Type 1 (A5)



RICOH Rh 100 Heating System



RICOH Tray for Small Size Type 1 (A5)



RICOH Tray for Standard Size Type 1 (A4)