

Direct to Garment Printer

# RICOH Ri 100

✓ Printer ✓ Garment

**RICOH**  
imagine. change.



1200  
dpi Full Colour

# A direct to garment printer for anyone, anywhere!

The RICOH Ri 100 reinvents the world of direct to garment (DTG) printing with its all-in-one space saving design. The RICOH Ri 100 prints designs and photographs directly onto fabrics using state-of-the-art garment printing technology. Ricoh has made it easy and safe to produce a range of professional-looking printed products, whether you are a novice or experienced operator. A one-of-a-kind T-shirt, personalised bag, keepsake tea towel, decorative cushion cover, or an individualised sweatshirt can be printed on the spot and used immediately.

**Direct to Garment printing—it's never been easier...**

## Start your garment printing service in a snap

- **Low-cost initial investment**
- **A complete solution from a trusted supplier**
- **Professional, high-quality prints**

With a fast ROI and an easy-to-use design, the RICOH Ri 100 makes it easy to begin direct to garment printing. Ricoh provides a complete solution that includes the printer with optional heating system—everything to start production. Since printing is on-demand, you only need to keep a minimum stock of materials on-hand.



## The convenience of in-house equipment

- **Produce impressive textile printed products on the spot**
- **Offer in-house printing services**
- **Easily print personalised textile printed goods for your customers, staff or students—to sell or reward**

Surprise and delight customers by utilising direct to garment printing as an innovative shop service. Flexibly respond to changing events to quickly deliver high-quality promotional or personalised garments and mementos.



## Extra added value from print services

- **Attract new customer numbers**
- **Print from a wide range of sources (art projects, drawings, photographs, illustrations, etc.)**
- **The print possibilities on fabrics or finished garments are only limited by your imagination**

Expand your business with new creative concepts and applications from one easy-to-use device. Boost customer satisfaction by adding value to your services.



RICOH Ri 100 direct to garment printer shown with optional RICOH Rh 100 Finisher (heating system)

## Key Advantages of the RICOH Ri 100



### Compact, efficient size

The compact RICOH Ri 100 can fit into a space as small as 400 x 700 mm, making it one of the smallest direct to garment printers available. The printer and its (optional) finisher can be stacked to maximise functionality without sacrificing space.



### High quality images and products

Achieve crisp and detailed high-quality prints thanks to Ricoh's inkjet technology. Preserve the look and feel of natural fabrics with vibrant colour-fast prints using specially formulated eco-friendly, water-based pigment textile inks.



### Easy-to-operate design software

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



### Unbelievable fast ROI

The affordable price of the RICOH Ri 100 means anyone can now start their direct to garment business with low risk. Savings continue through low running costs. There is no time consuming set up—perfect for small lot printing.



### Easy operation, safe, and simple maintenance

RICOH Ri 100 is incredibly easy to operate with no compromise on safety.

The intuitive design requires no prior experience to prepare, print, and cure a design—quickly and safely. Periodic maintenance is carried out through a simple process automatically and semi-automatically by system prompts.

#### STEP 1



#### Choose the design

Use Ricoh Design Software—or any other software—to choose the design. Set the printing mode based on the fabric being used.

#### STEP 2



#### Set fabric

Set the garment in the tray.

#### STEP 3



#### Press

Insert the tray into the optional finisher to smooth out creases and flatten fibres.

#### STEP 4



#### Print

Just load and unload the tray—its that easy.

#### STEP 5



#### Cure

Use the finisher—a heating system with safety features—to cure the ink for long-lasting results.

# RICOH Ri 100

SYSTEM SPECIFICATIONS

## General

Printing Method:	Direct to garment printer
Technology:	Piezo-electric drop on demand inkjet system
Print Resolution:	1200 x 1200 dpi, 600 x 600 dpi
Print Speeds:	Speed Mode: 1 minute 20 seconds or less Fine Mode: Less than 2 minutes 30 seconds or less
Printable Area:	A4 Tray: 291 x 204 mm A5 Tray: 204 x 142 mm
Fabric:	Fabric: 100% cotton to 50% cotton blends
Garment Types:	T-shirts (from baby size to adult), tote bag, sweatshirt, polo shirt, cushion cover, tea towel, pennants
Fabric Thickness:	A4 Tray: Less than 4 mm A5 Tray: Less than 4 mm
Table Height Adjustment:	Automatic or manual
Maintenance:	Automated and semi-automated (with system prompts)
Warm-up Time:	Less than 35 seconds
Power Rating:	220-240V, 50/60 Hz
Power Consumption:	Active: Less than 35 W Energy Saver Mode: Less than 2 W
Dimensions (W x D x H):	399 x 698 x 292.5 mm (installed) 399 x 760.3 x 292.5 mm (operational)
Weight:	Less than 25 kg
Operating Conditions:	15°C - 32°C Humidity 15% - 80% Rh
Supported Environment:	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
Host Interface:	USB2.0 High Speed Ethernet 10BASE-T/100BASE-TX Wireless LAN IEEE 802.11 b/g/n
Network Protocol:	TCP/IP

## Environment

Safety Standard:	UL / CE / IEC
EMC:	FCC / CE / C-Tick/RCM
RF:	FCC / RSS-210 / RE / C-Tick/RCM

## Consumables

Ink Type:	Water-based pigment ink formulated for textile printing
Consumable Yield:	RICOH Garment Ink Cartridge K (Hi Yield) Type 1: 140 ml / Cartridge, Average 600 prints RICOH Garment Ink Cartridge C (Hi Yield) Type 1: 100 ml / Cartridge, Average 500 prints RICOH Garment Ink Cartridge M (Hi Yield) Type 1: 100 ml / Cartridge, Average 500 prints RICOH Garment Ink Cartridge Y (Hi Yield) Type 1: 100 ml / Cartridge, Average 500 prints

## Optional RICOH Rh 100 Finisher

Cure Mode (Fixing):	Radiant heating (non-contact)
Press Mode (Pre-heat):	Contact heating
Cure (Fix) Time:	3 minutes*
Press Time:	30 seconds*
Temperature Range:	175°C (default) / 165°C
Power Rating:	220-240V, 50/60 Hz
Power Consumption:	Active: Less than 1300 W
Dimensions (W x D x H):	400 x 600 x 220 mm
Weight:	Less than 16.5 kg

\* The optimum time may vary depending on the print mode, fabric and temperature. Wash fastness will be affected by cure time, cure temperature, print mode and cure method. Ricoh recommends evaluating the fabric to be used in advance.

## Options

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



RICOH Rh 100 Finisher (heating system)



RICOH Tray for Standard Size Type 1 (A4)



RICOH Tray for Small Size Type 1 (A5)

**RICOH**  
imagine. change.

[www.ricoh.com.au](http://www.ricoh.com.au)

**Ricoh Australia**  
2 Richardson Place  
North Ryde NSW 2113

## 13 RICOH

All brand and/or product names are trademarks of their respective owners. Specifications and external appearance are subject to change without notice. The colour of the actual product may vary from the colour shown in the brochure. The images in this brochure are not real photographs and slight differences in detail might appear. Copyright © 2018 Ricoh Australia Pty Ltd. All rights reserved. This brochure, its contents and/or layout may not be modified and/or adapted, copied in part or in whole and/or incorporated into other works without the prior written permission of Ricoh Australia Pty Ltd. Version 1.3.. The CES Innovation Awards are based upon descriptive materials submitted to the judges. CTA did not verify the accuracy of any submission or of any claims made and did not test the item to which the award was given.

