RICOH Ri 100 Direct to Garment Printer
SYSTEM SPECIFICATIONS

GENERAL

Printer Type:	Direct to Garment printer
Technology:	Piezo-electric drop on demand inkjet system
Resolution:	600 x 600 dpi
	1200 x 1200 dpi
Print Speed:	Speed Mode: 1 minute 20 seconds or less
	Fine Mode: 2 minutes 30 seconds or less
Printable Area:	A4 Tray 291 x 204 mm
	A5 Tray 204 x 142 mm
Fabric:	100% cotton, cotton blends with min. 50% cotton
Garment Type:	T-shirt, tote bag, sweatshirt, polo shirt, cushion cover
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

Power Consumption:	Active Less than 27.5W
	Sleep Less than 2W Power
	off Less than 0.5W
Operating Conditions:	Temperature: 15°C - 32°C
Relative Humidity:	15% - 80% RH
Warm-up Time:	Less than 35 seconds
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
Host Interface:	USB 2.0 High Speed,
	Ethernet 10BASE- T/100BASE-TX,
	Wireless LAN IEEE 802.11 b/g/n
Network Protocol:	TCP/IP
Memory:	128MB RAM (std. / max.)

CONSUMABLES

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

RICOH Ri 100 High Yield Cartridges

RICOH Ri 100 Standard Yield Cartridges

OPTION

RICOH Rh 100

Cure Mode:	Non-contact heating
Press Mode:	Contact heating Cure
Time:	2 minutes*
Press Time:	2 x 30 second cycles*
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.

Rh 100 Drying Unit

RICOH Tray for Small Size Type 1 (A5)

RICOH Tray for Standard Size Type 1 (A4)

RICOH Authorised Dealer

TheMagicTouch is a registered trade mark of TheMagicTouch Gmbh, Germany.

RICOH Ri 100 DTG SYSTEM

... no pre-treatment required
... no heat press required
... safe&easy to operate
... low cost per print
... low maintenance
... All-in-One!

TheMagicTouch The Original

presents:

A RAINBOW OF APPLICATIONS

RICOH Ri 100 ALL-IN-ONE DTG SYSTEM

SMALL FOOTPRINT... HUGE POTENTIAL!

520mm

400mm

RICOH Ri 100

Print in 5 simple steps

The Ultimate Direct to Garment printer for anyone, anytime, anywhere

The demand for personalisation continues to grow in many different markets and plays an increasing part in our daily lives.

Introducing the Ricoh Ri 100 Direct to Garment printer, the ultimate in entry-level garment personalisation and textile decoration. The all-in-one printer with its space- saving design combined with its TMT enhanced Drying Unit creates the perfect opportunity for many new potential markets. The printer is quick, clean and easy to use. The innovative garment tray loading system together with the front loading Drying Unit removes any possible operator health and safety issues making it perfectly safe for any retail, home, school or business environment.

Incorporating the latest in Ricoh textile ink technology the Ri100 prints full colour designs and photographic quality images directly onto garments and a vast range of textile based products and applications quickly and easily. These include 100% cotton and poly/cotton blends for T-shirts, sweatshirts, hoodies, eco bags, cushions and lots more. No pre-treatment of garments or textiles is required.

The Ri 100 is perfect for those considering the addition of personalisation to their product portfolio or those looking to increase their existing production capabilities as the available options of additional trays and TMT enhanced Drying Units make it possible to achieve production in excess of 40 printed items per hour. Full colour designs take on average less than 90 seconds to print.

Customers can experience their personalised T-shirt, bag or cushion being produced within minutes and ready for immediate use.

The printer comes with easy to operate design software enabling editing with no specialised skills or graphic software knowledge. Even smart phone images can be printed with ease.

The compact size and weight allows easy movement, enabling live production at events and promotions.

Periodic maintenance is carried out through a simple process automatically and semi-automatically by a system prompt.

The Ri 100 offers affordable opportunity.

Add Value with in-house personalisation

- print on demand.
- compact size, can fit into a 40 x 70 x 52cm space.
- easy to use print workflow.
- produce high quality prints.
- minimum order of one.
- create new revenue streams with existing and future customers.
- increase product offerings.
- attract new customers.
- vast range of printable products.
- remove traditional artwork and set-up costs.
- exceed customer expectations.
- great repeat potential.
- kiosk and touch screen capabilities to automate orders.
- very affordable with low cost per print and fast RoI.
- complete solution from trusted global manufacturer.
- high quality printed products.
- vibrant eco-friendly water based pigment inks.
- finance options available.

STEP 1
Choose the design
Use the print driver or Ricoh Design Software to send the print job to the printer.

STEP 2
Set Garment
Simply position garment in the tray.

STEP 3
Pre-Press
Insert the tray into the Drying Unit to smooth out creases and flatten fibres.

STEP 4
Print
Load the tray with the garment into the printer and press Start.

STEP 5
Dry & Seal
Use the Drying Unit with built-in safety features to dry and seal the ink for long-lasting results.