

Garment Printer
GP-604D



*Design by pale color and full color print,
utilizing the ground color of T-shirt.*

Gradation is also expressible by discharging.

Full color print on white T-shirt.

This one printer can print both white T-shirt and dark color T-shirt.

The GP-604D can print direct on sewing goods like ready-made T-shirt. It is a simple and useful two-way printer as full color printer and discharge printer using the newly developed discharging ink.



Debut of a revolutionary machine for color T-shirt design.

Digital printing

Dramatically increase your profitability by the use of on-demand production techniques.

The GP-604D uses non-screen and digital printing techniques which enable a designer to create samples and to support small lot. Redundant stock is not required because of on-demand production. In addition, screen storage space is not required because of non-screen techniques. Simply resize designs to match any T-shirt size. The print area is freely determined by the user. Can neatly print on garments, collars, and sleeves, which is not available by screen.

Discharge printing

Enables to print on a dark color T-shirt.

An organically-dyed T-shirt can be bleached by chemicals. For the first time a newly developed discharge ink supports ink-jet printers – allows printing on dark color T-shirts. Gradation is also expressible perfectly, making the most of characteristics of ink-jet printer.

*Discharge results depends on organic dyeing. Please make sure to have a test print beforehand.

*The concentration of formaldehyde in discharged T-shirts exceeds oeko-tex standard 100. Please wash finished product before wearing.



Discharged sample

Tender texture

Soft-texture T-shirt that maintains breathability.

The GP-604D uses a dedicated textile pigment (TP) ink. A softer finish which differs from thermal-transfer or silk-screen printing can be obtained.

● TP (Textile pigment) ink

TP ink is safe and contains very low levels of formaldehyde. It does not impair air permeability or water-absorbing properties of fabrics. Printed fabric keeps a pleasant feel. Because of a special binder, only heating after printing can complete the job.

*As the color fastness to washing differs according to the materials, etc., confirm yourself.

*Printed fabric contains very low levels of formaldehyde, don't use it for baby goods.

The print software RIP, Raster Link GP - has various functions.

- Easily preview images on-screen, which allows you to check results before printing.
- Data edited by popular programs such as Adobe Illustrator, Photoshop, and Corel Draw can be easily printed (EPS, TIFF, jpeg, and BMP formats are supported).
- Print bit map and vector images smoothly and neatly on various materials.
- Various functions such as zooming/rotation/mirroring.
- Adjust to any desired printing position.
- A function for batch printing layouts of multiple data items is fully supported.



Specifications

Print head	Piezo-electric drop-on demand, 3 heads in-line Each color : 180 nozzles Discharging liquid : 360 nozzles
Height adjustable	Adjustable up to 145mm (5.7") (Automatic head height adjustment function)
Maximum printing area	610mm (24") W x 420mm (16.5") D
Print mode	360 x 360dpi, 360 x 540dpi, 720 x 720dpi
Ink	TP (Textile Pigment) ink volume : 210cc±10cc cartridge 4 color inks : Black, Cyan, Magenta, Yellow Discharging liquid volume : 440cc(220ccx2 cartridges) Cleaning liquid volume : 440cc(220ccx2 cartridges)*only using Discharging liquid
Interface	IEEE-1284 / IEEE-1394
Power requirement	AC100V to 240V±10% 50/60 Hz±1Hz
Power consumption	980VA(W) or less with heater
Operational environment	Temperature:20 °C to 30 °C (68 to 86degrees F) Humidity : 35 to 65%Rh (no condensation)
Dimensions (W x D x H)	1,660 mm (65") x 1,070 mm (42") x 650 mm (26") or less
Weight	145 kg (320lbs) or less

- Prepare an installation board separately.
- Heat press for heating is required separately.

■ Daily maintenance

To maintain the print quality and the status of this device, replacing the cleaning agent and discharging ink within the head is required. Always execute it at the beginning and the end of work.

- All trademarks or registered trademarks are the property of the respective owners.
- Specifications are subject to change without notice.
- Some of the samples in this catalog are artificial renderings.
- Inkjet printers print using extremely fine dots, so colors may vary slightly following replacement of the printing heads. Also note that if using multiple printer units, colors may slightly differ among the units due to slight individual difference.

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