

Garment

Printer

GP-604D

Design by a pale color and full color prints,
utilizing the ground color of the T-shirt.

Gradations are also expressible through discharging.

Full color print on white T-shirts.

This printer can print both on white T-shirts and dark colored T-shirts.

GP-604D can print directly on sewn goods like ready-made T-shirts. It is a simple and useful two-way printer as both a full color printer and a discharge printer, using a newly developed discharging ink.



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



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

GP-604D uses non-screen and digital printing techniques which enable a designer to create samples and to support small lot production. Due to on-demand production workflow, redundant stocks are not necessary. 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. You can neatly print on garments, collars, and sleeves, which aren't available by silk screen techniques.



Enables you 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 – this allows printing on dark color T-shirts. Gradations are also perfectly expressible, which expands characteristics of an ink-jet printer.

*Discharge results depend largely on organic dyeing. Please make sure to make a test print of the garment beforehand.

*The concentration of formaldehyde in discharged T-shirts exceeds Oeko-tex Standard 100. Please wash all finished products before wearing.



Discharged sample



Soft-texture T-shirt that maintains breathability.

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 the water-absorbing properties of fabrics. Printed fabric keeps a very pleasant feel. Because of a special binder, only heating after printing can complete the job.

*Color fastness to washing differs according to the garment materials, etc. Please confirm the color fastness yourself by washing finished garments.

*Printed fabrics contain very low levels of formaldehyde, please 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 the 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 batch printing function for 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 86 degrees 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 liquid and discharging liquid remaining in the head is necessary. 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 very slightly differ 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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