

GT-541

Digital Garment Printer

The Brother GT-541 uses ink jet technology that prints on many garments in high quality colour directly from a computer. This ink jet garment printer is as simple to operate as a desktop printer, which can be networked with multiple units, to deliver great print quality and still remain cost-effective for short-run apparel graphics applications.

The GT-541 is faster and less expensive to operate than traditional screen printing machines because there is minimal set-up, tear-down, clean-up, screens, squeegees, or pallet adhesive. The GT-541 water based ink can be cured by a standard heat press, eliminating the need to purchase a conveyor dryer, and significantly reducing operating space requirements.

Printing Method	Direct Inkjet Garment Printer
Max printing area	355.6mm x 406.4mm (14" x 16")
Platen Height Adjust	Manual 12mm (0.48")
Machine size L x W x H	1183mm (W) x 940mm (D) x 610mm (H) (Approx. 4' x 3' x 2')
Machine Weight	220lb (100kg)
Ink Type	Water Base Pigment Ink
Ink Color	4 colors (CMYK)
Ink volume	Approx. 220cc usable ink
Ink-Head Type	On demand piezo head
Number of Ink-Heads	4 heads, 1 for each color and a total of 128 nozzles
Ink-Head Resolution	600 x 600 (dpi)
Print Mode	Single, Double
Printed Substrate	100% cotton, 50/50 cotton/polyester
Operating system requirements	Windows® 2000/XP
Environment	50F(10C) to 95F(35C) Humidity 20 - 85% RH
Interface	USB (USB1.1/2.0), Compact Flash
Power consumption	90VA (average), 20VA (idling)
Power supply	AC115V ±10% 50/60Hz ± 1 Hz

Frequently Asked Questions;

Brother GT-541 Garment Printer
2006 Version

Q. What type of printer is this?

A. The printer is a computer controlled large format ink jet printer that prints directly on to your garments.

Q. Are the prints produced very detailed?

A. The printer produces graphics with up to 600 Dpi. Process screen-printing is approximately 72 Dpi

Q. How many colors will the printer produce?

A. By using the 4-color printing process (CMYK) it can produce over 16 Million colors.

Q. How is the ink supplied to the printer?

A. By 4 ink cartridges (CMYK).

Q. How long does it take to print a shirt?

A. It really depends on the design, but a standard sized 10"X12" design can be produced in about a minute.

Q. Is there any post treating of the garment after printing?

A. Yes. Use a regular heat-press set at 356 degree F and press for 35 seconds.

Q. What color of garments can it print on?

A. We can print on white and many light or pastel color shirts, additionally some dark color shirts as well.

Q. Can we print on dark color shirts?

A. It depends on the color of the garment. But it cannot print on black due to the printer not having white ink.

Q. Will the ink withstand washing?

A. Yes, we have done extensive wash testing and we have found that the ink is very durable in most cases equal to or better than Screen Printing.

Q. What is the maximum printing size?

A. It is 14" wide X 16" long.

Q. How much does it cost to print a shirt?

A. It depends on the amount of ink used. A standard design uses about a \$1 worth of ink.

Q. What is the machine's size and weight?

A. The printer is 46.6" long x 37.0" wide x 24.0" tall. It weighs about 220 lbs.

Q. Is any special software or a RIP required?

A. No, graphics can be produced by using most of major Windows based design software programs.

Q. How do you connect the PC to the printer?

A. The printer connects via a USB cable (not included) or data can be transferred with a CF card.

Q. Is any special power supply required?

A. No. This printer works with regular AC power 115V (+/- 10%).

Q. What kind of ink is used?

A. It is a water-based ink developed especially for printing on garments.

Q. What types of fabric can it print on?

A. You can print on a variety of fabric types, however, best quality results are achieved using 100% cotton, 50% cotton 50% poly blends.

Q. When the garment is being printed how do you keep ink from bleeding from the front to the back?

A. There is no need as the ink does not bleed through the shirt.

Q. How is a garment loaded into the printer?

A. The garment is slipped on to the printer's platen much like a garment is loaded on to a screen-printing machine.

Q. Do we need to use any spray tack (adhesive spray) to hold the garment?

A. No. The surface of the platen is covered with a special fabric that helps hold the garment in place.

Q. Is financing available?

A. Yes through third party leasing companies.

Q. Can you print on sleeves?

A. Sure. It would be easier if you press the sleeve before printing and adjust platen height accordingly.

Q. Can you use this printer to print on a transfer paper and then transfer it?

A. No. Our ink is not transferable.

Q. What operating system(s) is required?

A. Windows XP Home or professional, or Windows 2000.

Q. Can the printer be used on a network of PCs?

A. Yes. We can share one GT-541 printer with multiple networked PCs using Windows printer-sharing function.