

Garment Printer  
**GP-1810 Series**  
GP-1810 / GP-1810D

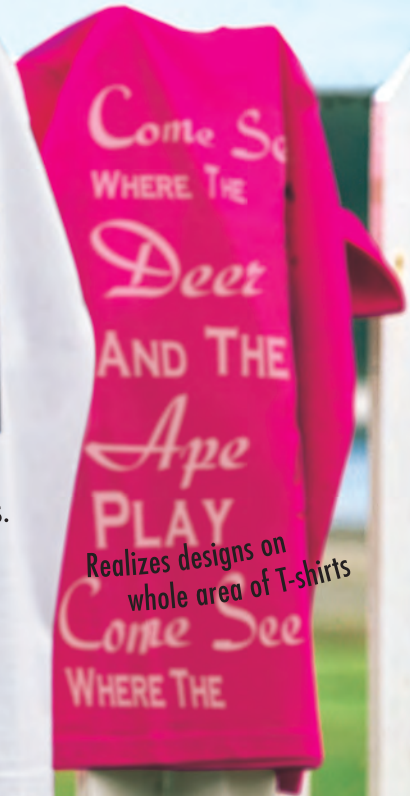
**Mimaki**



*Gradations are also expressible through discharging.*



*Full color print on white T-shirts.*



*Realizes designs on whole area of T-shirts*

## Go Fabulous & Fast for small-lot printing

GP-1810 series enables you to perform on-demand production and eliminates redundant inventories. Being a screen-less printer, it does not need space for keeping screens. Three pieces of T-shirts can be printed at a time, and it supports most frequently desired small lot orders of around 10 pieces and above. The printer attains unique designs such as full printing and discharge printing of T-shirts, production of towels and other small articles with multi-allocation printing.

**GP-1810**

High speed printer for colored material

**GP-1810D**

Two-way printer for discharge printing

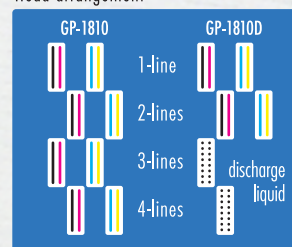




## A wide range of features enhance the creation of goods.

- Adoption of 4-color 4-line head configuration enables you to print one side of 3 T-shirts in slightly over two minutes. \*Using the GP-1810 360 x 540 dpi mode
- Photos can be printed beautifully with the maximum resolution of 720 dpi.
- Three T-shirts can be printed in parallel in the printing area of 1,860 (w) x 1,010 (D) mm.
- Handles goods up to 50 mm thick, so even thick sweat shirts, etc. can be printed.
- Using the LED pointer positioning function, printing may be made precisely on a targeted position.

Head arrangement



## Enables you to print on a dark colored T-shirt.

The first discharge liquid introduced for inkjet printers that can discharge color on cotton materials dyed with reactive dyes. After discharge printing, the colored substances are neutralized by applying heat (heat press, etc). The discharge effect appears only after heat treatment. The gradations of discharged images will be beautifully rendered.



Discharge printing

\*GP-1810D only

\*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.



## Soft-texture T-shirt that maintains breathability.

Mimaki's unique textile pigment (TP) ink preserves breathability and water absorbency and is tender to your skin. It is a highly safe ink containing only very limited formaldehyde. Because of special ink binder, your products are thermoset only after heating treatment. TP is an ink that can be easily handled without need of special knowledge of dyeing chemistry, etc. The wash fastness is class 4 to 5 in the case of cotton material.



\*Color fastness to washing differs according to the garment materials, etc. Please confirm the colorfastness yourself by first washing finished garments.  
\*Printed fabrics contain very low levels of formaldehyde, please don't use it for baby goods.

### ■ Daily maintenance (GP-1810D)

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

### Available ink

	Textile Pigment (TP)	Disperse dye ink	Reactive dye ink	Acid dye ink	Discharging Liquid
GP-1810	●	●	●	●	
GP-1810D	●	●	●	●	●

The print software RIP, Raster Link GP - has various functions.  
Easy to operate. You may freely zoom or rotate the images.  
It supports a wide variety of data such as EPS, TIFF, Jpeg, BMP and PS.



### Specifications

	GP-1810	GP-1810D
Print head	Piezo-electric drop-on demand, 8 heads staggered line.	Piezo-electric drop-on demand / Each color : 4 heads staggered line. 360 nozzles / Discharging liquid : 2 heads staggered line. 720 nozzles.
Height adjustable	Adjustable up to 50 mm (2.0") variable from the table	
Maximum printing area	1,860 mm (73.2") W x 1,010 mm (39.8") D	
Print mode	360 x 360 dpi, 360 x 540 dpi, 360 x 720 dpi, 720 x 720 dpi	
Power requirement	AC100 V - 240 V ± 10% 50/60 Hz ± 1 Hz	
Power consumption	500 VA (W) or less	
Operational environment	Temperature: 15 °C - 30 °C (59 - 86 °F) Humidity : 40 - 65% Rh (no condensation)	
Dimensions (W x D x H)	3,070 mm (121") x 2,210 mm (87") x 1,350 mm (53") or less	
Weight	620 kg (13670 lbs) or less	
	Heat press for heating is required separately.	

- 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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