**Belt conveyance system**
**Digital printing inkjet printer**

# Tx500-1800B

**Mimaki**™

# Reliability
# evolving

**POINT 1** **Realization of high definition print**
Nongranular and high image quality is realized by variable dot with dot sizes of 7pl and 21pl

**POINT 2** **High quality print of reliability**
Function to reduce banding (stripe in the direction of feeding media) during printing is provided.

**POINT 3** **Fast print speed**
Draft mode
140㎡/h (4-color spec)
85㎡/h (8-color spec)

**POINT 4** **User friendly function**
Large capacity ink bottle and UISS function
Degassing module
Easy media set and operation software

**Belt conveyance system**
**Digital printing inkjet printer**

# Tx500-1800B

# High-efficiency and high-definition

**Mimaki™**

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## POINT 1 — Realization of high definition print
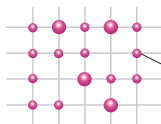
### Ink ejection of minimum 7Pl
Ink ejection with a minimum of 7Pl realizes fine and rich gradation expression and high-definition print.

### Variable dot
High image quality, nongranular and smooth print is realized by variable dot with dot sizes of 7pl and 21pl

Variable dots

最小 **7pl**

Normal dots

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## POINT 2 — High quality print of reliability

### Function to reduce and correct banding
CFC (Correct Feeding Control) is equipped to measure and feedback the feed rate of fabric, enabling to automatically reduce and correct the level differences in the joints of the conveyance belt (0.1mm to 0.2mm) and the banding generated by uneven fabric feed (stripe in the direction of feeding media). Keeps the print quality stable without uneven feed.

### MAPS
When banding can not be eliminated by feed correction, MAPS function makes it less visible by dispersing pass boundaries. (When using MAPS, print speed depends on the mode)  ※Mimaki Advanced Pass System
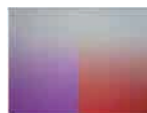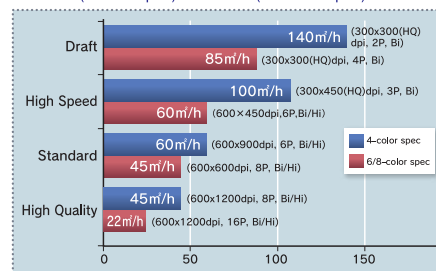
MAPS

Normal pattern

### Nozzle recovery function
Even if nozzle malfunctioning is not repaired by the use of maintenance function, you can continue to print without lowering the image quality by the use of another nozzle. There is no loss of time, either.

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## POINT 3 — Overwhelming print speed

140m2/h (4-color spec)     85m2/h(6/8-color spec)

| | | |
|---|---|---|
| Draft | 140㎡/h | (300x300(HQ)dpi, 2P, Bi) |
| | 85㎡/h | (300x300(HQ)dpi, 4P, Bi) |
| High Speed | 100㎡/h | (300x450(HQ)dpi, 3P, Bi) |
| | 60㎡/h | (600×450dpi,6P,Bi/Hi) |
| Standard | 60㎡/h | (600x900dpi, 6P, Bi/Hi) |
| | 45㎡/h | (600x600dpi, 8P, Bi/Hi) |
| High Quality | 45㎡/h | (600x1200dpi, 8P, Bi/Hi) |
| | 22㎡/h | (600x1200dpi, 16P, Bi/Hi) |

0   50   100   150

■ 4–color spec
■ 6/8–color spec

(*The above speed is achieved by turning OFF banding reduction & correction)

Realizes high speed print at a maximum of 140 m2/h. Readiness for quick delivery and immediate delivery order.

### Newly developed head
Head configuration is six head, three staggered. Head length of 159mm enables high-speed printing  (1.6 times faster in our company)

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## POINT 4 — User Friendly

### Large capacity ink bottle and UISS function
Large capacity ink bottle of 2 liters. Furthermore, it is possible to set two bottles per color with UISS function to replace an empty bottle automatically. Reduces ink shortage, dramatically increasing work efficiency.
* UISS functions only when four-color specification is used.

### Ink degassing module     ※MDM=Mimaki Degassing Module
The printer body is equipped with the ink degassing module "MDM-20".
Reduces bubble-caused nozzle clogging, increasing the reliability of ink ejection. This enables non-degassed ink to be supplied in a large capacity bottle of 2 liters.

MDM-20     Bottled ink Sb300
Undegassed ink
Degassing module     Vacuum pump
Degassed ink
Head
Tx500-1800B
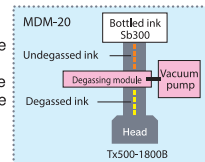
### Optional heaters to further improve productivity
You can choose between two types of heaters according to your operating conditions.

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## ■Specifications

| Tx500-1800B | | | |
|---|---|---|---|
| Printhead | On-demand Piezo head（6 printheads are arranged in 3 staggered lines.） | | |
| Maximum printable width | 1,820 mm (71.65 in) | | |
| Print resolution | 300dpi、450dpi、600dpi、900dpi、1200dpi | | |
| Print mode | Ink color setting | 4 color | 6/8 color |
| | Draft | 300 x 300 HQ/2 pass/Bi | 300 x 300 HQ/4 pass/Bi |
| | High speed | 300 x 450 HQ/3 pass/Bi | 600 x 450/6 pass/Bi/Hi |
| | Standard | 600 x 900 dpi/6 pass/Bi/Hi | 600 x 600 dpi/8 pass/Bi/Hi |
| | High Resolution | 600 x 1200 dpi/8 pass/Bi/Hi | 600 x 1200 dpi/16 pass/Bi/Hi |
| Ink | Ink supply system | 2L bottle / each color | |
| | Type | Sb300/Sb320 | Rc300 |
| | Color | Bl, M, Y, K(KD), Lbl, Lm | C, M, Y, K, Lk, Bl, Or, R |
| | Available color set | | |
| | 4 C | ● | ● |
| | 6 C | ● | |
| | 8 C | | ● |
| Media | Width | Maximum: 1,830 mm (72 in)  Minimum: 210 mm (8.27 in) | |
| | Thickness | 5mm or less | |
| | Weight | 60 kg（132 lb) or less | |
| | Roll diameter | External: φ400 mm (15.7 in), Inner diameter of paper core: 2 inches, 3 inches | |
| Media heater | Optional external heater | | |
| Media take-up device | Automatic take-up device (standard feature) | | |
| Printhead gap | Recommended gap: 3 mm (1.5 mm ～ 7.0 mm Non-step adjustment） | | |
| Interface | USB2.0 | | |
| Certifications | VCCI Class A, FCC Class A, CE marking (EMC directive,Low-voltage directive, Machinery directive), RoHS | | |
| Power supply | Three-phase Y 380 ～ 420V ±10%  20A or less  50/60Hz±1Hz | | |
| Power consumption | 10 KVA or less（Optional heater is excluded.) | | |
| Operational environment | Temperature: 20-30°C (64-86 °F); Humidity: 35-65 % RH (non condensing) | | |
| Dimensions (W × D × H) | 3,830 × 2,600 × 1,800 mm (150.8 × 102.4 × 70.9 in) (*1) | | |
| Weight | 1,840 kg (4,057 lb) | | |

*1: Dimensions of an external ink unit is excluded.

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## ■Bundled RIP software

User friendly RIP "RasterLink 6" comes standard

### RasterLink 6
◆ More beautiful and advanced print results are achieved by following a user-friendly interface that is easy to operate.
◆ Color replacement function enhances the ability to re-create printed images.

**<Supports Web update function>**
◆ Program update and profile download can be easily performed via internet.

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## ■Optional

Professional software RIP for multi color separation

**Software RIP for Multi Color Separation**

### TxLink3
◆ Spot color can be assigned to each color on separation plates.
◆ ICC profile creation from CMYK + spot colors.
◆ Color replacement on raster data
◆ A variety of paneling functions, including step-and- repeat layout, which are useful for textile designing.

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