

Belt conveyance system
Digital printing inkjet printer

Mimaki®

Tx500-1800B

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

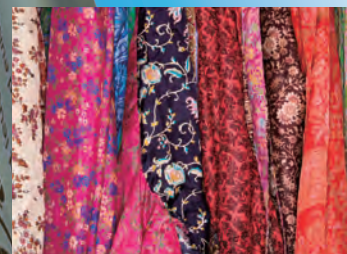
Draft mode
140 m²/h (4-color spec)
85 m²/h (8-color spec)

POINT

4

User friendly function

Large capacity ink bottle and UISS function
Degassing module
Easy media set and operation software



POINT 1 Realization of high definition print

Ink ejection of minimum 7PI

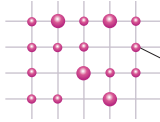
Ink ejection with a minimum of 7PI realizes fine and rich gradation expression and high-definition print.

Variable dot

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



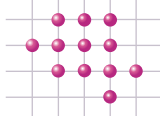
Variable dots



最小
7pl



Normal dots



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



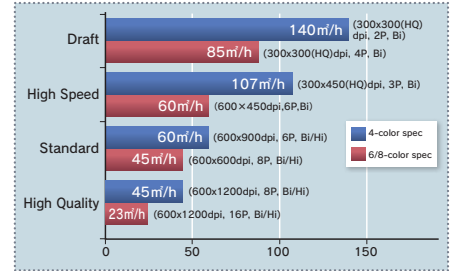
Normal pattern

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.

POINT 3 Overwhelming print speed

140m²/h (4-color spec) 85m²/h(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)

POINT 4 User Friendly

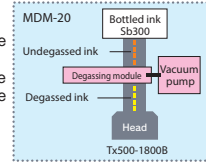
Large capacity ink bottle and UISS function

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 or 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.



Optional heaters to further improve productivity

You can choose between two types of heaters according to your operating conditions.



Specifications

| Item | TS500-1800B | | | |
|-------------------------|---|--|--------------------------|-------|
| Head | On-demand Piezo head (6 printheads with 3 staggered conformation) | | | |
| Maximum width | 1,820mm | | | |
| Print resolution | 300dpi, 450dpi, 600dpi, 900dpi, 1200dpi | | | |
| Print mode | 4color | 6/8color | | |
| | Draft | 300x300HQ/2pass/BI | 300x300HQ/4pass/BI | |
| | High Speed | 300x450HQ/3pass/BI | 300x450HQ/6pass/BI/BI | |
| | Standard | 600x900dpi/6pass/BI/BI | 600x600dpi/8pass/BI/BI | |
| | High Resolution | 600x1200dpi/8pass/BI/BI | 600x1200dpi/16pass/BI/BI | |
| Ink | Type | Sb300/Rc300/Ac300 | | |
| | Supply system | Bottle | | |
| | | Sb300 | Rc300 | Ac300 |
| | 4color | ● | ● | ● |
| | 6color | ● | × | × |
| 8color | × | ● | ● | |
| Media | Width | Maximum: 1,830 mm (72"), Minimum: 210 mm (8.27") | | |
| | Thickness | Up to 5 mm | | |
| | Weight | Up to 60 kg (132lbs) | | |
| | Print aspect | Inside | | |
| | Roll diameter | External: φ400mm (15.7"), Inside: φ3.0" | | |
| Media heater | Optional external heater | | | |
| Media take-up device | Roll take-up device | | | |
| Print gap | 1.5 mm~7.0 mm | | | |
| Interface | USB2.0 | | | |
| Applicable standard | VCCI class A, FCC class A, UL60950-1, RoHS directive CE Marking | | | |
| Power specification | Single-phase AC 380~420 V, 20 A or under | | | |
| Power consumption | Less than 10kVA | | | |
| Operational environment | Temperature | : 20°C-30°C (64-86 °F) | | |
| | Humidity | : 35-65 % RH (non condensing) | | |
| Dimensions (WxDxH) | 3,830x1,440x1,700 mm (150.8"x56.7"x66.9") (*1) | | | |
| Weight | 1,840kg | | | |

※1 Ink supply unit is not included in the dimensions

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.
- ◆ Print color can be simulated on Illustrator / Photoshop without an actual print

* This function requires MPM2 (Mimaki Profile Master 2).

<Supports Web update function>

- ◆ Program update and profile download can be easily performed via internet.

Optional

Professional software RIP for multi color separation (optional)

Software RIP for Multi Color Separation

TxLINK Pro

- ◆ 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.



●Some of the samples in this catalogue are artificial renderings. ●Specifications, design and dimensions stated in this catalogue may be subject to change without notice (for technical improvements, etc.). ●The corporate names and merchandise names written on this catalogue are the trademark or registered trademark of the respective corporations. ●Inkjet printers print using extremely fine dots, so colors may vary slightly after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to other unit due to slight individual differences.



Our factory is certified according to ISO14001:2004

MIMAKI ENGINEERING CO., LTD.

2182-3 Shigeno-otsu, Tomi-city, Nagano 389-0512, Japan
Tel: +81-268-78-2288
trading@mimaki.jp www.mimaki.co.jp

MIMAKI USA, INC.

150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A
Atlanta +1-888-530-3988 Boston +1-888-530-3986
Los Angeles +1-888-530-3987 Chicago +1-888-530-3985
www.mimakiusa.com

MIMAKI EUROPE B.V.

Stammerdijk 7E, 1112 AA Diemen, The Netherlands
Tel: +31-20-4627-640
info@mimakieurope.com
www.mimakieurope.com @MimakiEurope