ADVANCED TEXTILE FEEDING MECHANISM FOR OPTIMUM FABRIC TENSION

1. Feeding unit
2. Rear tension bar
3. Front tension bar
4. Rear turn bars
5. Drive roller
6. Front turn bar
7. Take-up unit

- front turn bar: equalizes tension to prevent wrinkles on textile
- drive roller: applies uniform tension to textile
- take-up unit: maintains the appropriate tension for stable textile take-up
- sensors: monitor outer diameters of front and rear textile rollers to maintain the optimum tension as a result of Mimaki’s unique and reliable techniques, based on years of printing.

Sophisticated RIP software maximizes the performance of Tx300P-1800

Specifications

- Maximum media width: 1,920mm
- Maximum print width: 1,920mm
- Print resolution: 360dpi, 540dpi, 720dpi, 1,080dpi, 1,440dpi
- Printhead: On-demand piezo head (4 in-line printheads)

Options and Supplies

- Professional software RIP for multi colour separation
- ICC profile creation from CMYK + spot colours
- Spot colour can be assigned to each colour on separation plates
- A variety of panelling functions, including step-and-repeat layout, which are useful for textile designing.

Media

- Type/Colour
- Item
- Tx300P-1800
- Media thickness: 1.0mm or less
- Maximum print width: 1,920mm
- Maximum media width: 1,920mm
- Print resolution: 360dpi, 540dpi, 720dpi, 1,080dpi, 1,440dpi
- Printhead: On-demand piezo head (4 in-line printheads)

Ink

- Type/Colour
- Item
- Disperse dye ink: Dd400 (C, M, Y, K, R, Grey, Violet, Pink)
- Reactive dye ink: RC400 (C, M, Y, K, Bl, R, Or, Lk)
- Sublimation dye ink: Sb420 (Bl, M, Y, K, Lbl, Lm)
- Textile pigment ink: TP400 (C, M, Y, K)

Certification

- VCCI class A, FCC class A, ETL UL 60950-1
- CB, REACH, Energy Star, RCM

Operational environment

- Temperature: 20 - 30 °C (68 - 86 F°)
- Humidity: 35 - 65% Rh (Non condensing)

Power consumption

- AC100V : 1.44kW / AC200V : 1.92kW
- Single-phase (AC100 - 120V / AC200 - 240V)
- Interface: USB 2.0 Hi-speed / Ethernet 1000BASE-T

Weight

- 255kg

Dimensions (WxDxH)

- 3,200 x 965 x 1,857mm

Options and Supplies

- Flushing liquid 220ml cartridge
- Flushing liquid 2L pack
- Flushing liquid 2,000 ml Ink pack
- Light black I-SB420-LMD-2L-1
- Light magenta I-SB420-MD-2L-1
- Magenta I-SB420-MD-2L-1
- Light red I-SB420-LRD-2L-1
- Magenta I-SB420-LMD-2L-1
- Cyan I-SB420-CD-2L-1
- Light black I-TP400-K-2L-1
- Yellow I-TP400-Y-2L-1
- Magenta I-TP400-M-2L-1
- Cyan I-TP400-C-2L-1
- Light black I-DD400-K-2L-1
- Yellow I-DD400-Y-2L-1
- Magenta I-DD400-M-2L-1
- Cyan I-DD400-C-2L-1
- Light black I-RC400-LK-2L-1
- Orange I-RC400-OR-2L-1
- Red I-RC400-R-2L-1
- Blue I-RC400-BL-2L-1
- Black I-RC400-K-2L-1
- Magenta I-RC400-M-2L-1
- Cyan I-RC400-C-2L-1
- Light black I-DD400-LK-2L-1
- Orange I-DD400-OR-2L-1
- Red I-DD400-R-2L-1
- Blue I-DD400-BL-2L-1
- Black I-DD400-K-2L-1
- Magenta I-DD400-M-2L-1
- Cyan I-DD400-C-2L-1

Contact

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Additional information

- Advanced technology on the Tx300P-1800 achieves this while maintaining stable feeding and transportation is crucial for high quality, accurate direct-to-textile printing.
- Inkjet printers print using extreme fine dots, so colours may vary after replacement.
- Some of the samples in this folder are artificial renderings.
- Specifications, design and dimensions stated in this folder may be subject to change without notice (for technical improvements, etc.).
- AC400 will be available in the future.
A high quality, versatile, direct-to-textile inkjet printer...

Mimaki’s undisputed expertise in the digital textile sector is reflected in the innovative new Tx300P-1800 with its capability to print direct onto almost any type of natural or man-made fabric. Effortlessly combining quality and high speed, Tx300P-1800 is ideally suited to applications such as fashion, furnishing, soft signage and exhibitions.

**Key Technical Features**

- Unique dual ink capability
- Continuous Uninterrupted Printing Features
- High performance TXLINK3 LITE RIP Software
- High head gap setting for thick and woven textiles
- A high quality, versatile, direct-to-textile inkjet printer...

**Tx300P-1800 delivers ...**

- Maximum print speed of 60m²/h (depending on fabric characteristics and ink)
- Sublimation, disperse reactive & acid dye and textile pigment inks
- Advanced Textile Feeding Mechanism for optimum fabric tension
- Mimaki Bulk Ink System (MBIS) and large volume ink packs
- Latest Mimaki Advanced Pass System (MAPS) to reduce banding
- Nicole Check Unit (NCU) ensures reliable continuous print operation
- High head gap setting for thick and woven textiles
- Unique dual ink capability to simultaneously load textile pigment and sublimation dye inks on one printer

**Create**

Fashion and Apparel, Scarves & Silk Ties, Bags, Home furnishing & upholstery fabrics, Flags & Soft signage, Textile retail PoS, Exhibition Graphics, and much more...

**S ink types for a range of applications and textile types**

<table>
<thead>
<tr>
<th>S ink type</th>
<th>Product name</th>
<th>Colour</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disperse dye Dd400</td>
<td>C, M, Y, K, R, Grey, Violet, Pink</td>
<td>Inks are fixed by heating and have high durability. Industrial textile, Luxury</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SINK TYPE**

- Disperse dye: Dd400
- C, M, Y, K, R, Grey, Violet, Pink

**Features**

- Select an ink type depending on your intended use. The ink type cannot be changed after installation.

**Function**

- Inks produce a wide and vibrant gamut of colours, and have water resistance. They can be used for printing onto almost any type of natural or man-made fabric.

**Applications**

- Apparel, Home furnishing, Cotton, hemp, silk, and other fibres
- Polyester, nylon, acetate, and other fabrics

**Colour Fixing Equipment**

- Space saving
- Cost reduction

**Uninterrupted Ink Supply System (UISS)**

- Automatic nozzle recovery function. When an ink bottle runs out, another color automatically starts supplying ink.
- Nozzle check function.
- Printhead recovery function.
- Nozzles nozzles nozzles non-defective nozzles are automatically set with the UISS function.

**High Performance TXLINK3 LITE RIP Software**

- Multicolour ICC profile creation
- Two ink bottles per colour
- Standard patterns
- Horizontal patterns, Vertical patterns
- Repeat pattern, Mirroring
- Horizontal mirroring, Vertical mirroring, Horizontal & Vertical mirroring

**Colour Profile Creation Procedures**

1. Create desired colours
2. Measure the ink density error
3. ICC profile creation
4. Multicolour ICC profile creation

**High Head Gap Setting for Thicker Textiles**

- Direct ion: Speed
- Speed: Speed
- Continuous Uninterrupted Printing Features

**Figure 1: Head gap**

- Head gap / 3 mm
- New printhead
- Recommended head gap / 3 mm
- Conventional printhead
- Figure 2

**Continuous Uninterrupted Printing Features**

- New printhead
- Advanced Textile Feeding Mechanism
- Mimaki Bulk Ink System (MBIS) and large volume ink packs
- Latest Mimaki Advanced Pass System (MAPS) to reduce banding
- Nicole Check Unit (NCU) ensures reliable continuous print operation