NEWLY DEVELOPED SUBLIMATION INK.

For more consistent inkjetting, print heads, gasses or bubbles inside the ink are eliminated allowing to use lower price degassed bottle inks. Before the ink reaches the MDM-20 ink degassing facilitates bulk ink containers.

Six-color mode

4-color mode

Draft

Standard

600×900dpi, 8P, Bi/Hi

300×300dpi HQ, 4P, Bi/Nr

600×1200dpi, 8P, Bi/Hi

300×300dpi HQ, 2P, Bi/Nr

Higher definition over standard dots.

Variable dot sizes at a minimum of 4pl offers without the granular appearance seen in fixed-dot printing.

Variable dot printing produces a smoother, more natural gradation and superb resolution quality.

The corporate names and merchandise names written in this brochure are the trademarks or registered trademarks of their respective companies.

The “Register as Favorite” feature saves regularly used RIP layouts and operations in a single window for quick retrieval.

Simplified RIP operations.

RasterLink6 software enables simultaneous three-layer printing for two-sided viewing – color > white > color, or for white over/underprinting. RasterLink6 software update function.

Exceptional bulk media handling.

The industrial design of the MJF500-1800 system can handle paper rolls up to 800 lbs. with an external diameter of 20" giving digital textile producers the ability to take full advantage of the high-performance advantages of the TS500. Exceptional bulk media handling enables operators to continuously print while the machine is printing. The Nozzle Recovery System (NRS) takes over for any reason the nozzle fails to clear and the printer experiences nozzle drop out. Rather than stopping, the printing operation can be continued by registering with NRS that a particular nozzle has experienced a drop out.

Ink mist reduction function. Extremely delicate and accurate imaging.

Ink mist reduction function. Extremely delicate and accurate imaging. Ink mist reduction function is based on continuing airflow from printing ink mist out of the nozzle. The reduced amount of ink mist can use lower price degassed bottle inks.

So-called ink filters. The printer filters. The airflow forcing ink fans create a consistent airflow for better ink and head cleaning.

Intake fan

Exhaust fan

INKS

3-Way Intelligent Heater (pre/print/post), Drying Device

3-Way Intelligent Heater (pre/print/post), Drying Device

External drying heater (optional)

On-demand piezo head (6 print heads with 3 staggered configuration)

One of the world’s fastest sublimation printers.

The TS500 is designed with newly developed ink and print head technologies to ensure higher definition over standard dots.

Two newly developed print heads with 4 rows of 320 nozzles for each row. This double coverage results in faster printing and exceptional accuracy.

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Rapid startup for production transfer applications.

Optional MBE-2000-1800 BULK ROLL MEDIA SYSTEM

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Mimaki’s Uninterrupted Ink Supply System (UISS) facilitates long, unmanned print runs by automatically switching the ink flow from a color's emptied ink container to the other full container of the same color.

Internal heaters accelerate ink drying by heating the media during and after printing. These temperature controlled heaters can be increased for shortened ink drying or decreased for heat-sensitive media.

The Automatic Media Feeder mechanism enables stable, continuous high-speed printing of long and heavy rolled media by maintaining consistent media tension.

The TS500 employs a bulk ink system that includes an embedded degassing module – MDM-20. This module degasses and removes bubbles from the ink before it gets to the print heads.

The key to the TS500’s speed are the 6 print heads arranged in three staggered rows. This configuration enables a larger print swath and faster through-put of the transfer media.

The fast drying sublimation inks produce vivid, brilliant color reproduction. Lower running costs and longer continuous printing capability with the Mimaki degassing 2L bulk ink module adds up to greater production that will outperform your expectations.

The sublimation market is booming. The convergence of quality high-speed printing and custom sublimation applications puts the Mimaki TS500-1800 sublimation printer in the forefront of an increasing competitive climate for wide-format printers. Specifically designed for the textile market that demands high volume, high quality transfer paper digital imaging, the TS500 is one of the fastest sublimation printers in the industry with an output of 1514 sq.ft/hr. This fast drying sublimation ink produce vivid, brilliant color reproduction. Lower running costs and longer continuous printing capability with the Mimaki degassing 2L bulk ink module adds up to greater production that will outperform your expectations.

New developments in ink plus Mimaki technology has broadened the scope of transfer sublimation applications that can be created with the Mimaki TS500-1800. This versatile printer is ideal for the growing soft signage market, polyester sportswear, specialty textiles, along with sublimation onto hard surfaces such as tile and sporting equipment.