**Special color plate generation**

The new [Fill in contour] option for reliable operation in DTF print. Vector data and CMYK-On object to be converted to special color plate EPS, PS, PDF formats are supported.

<table>
<thead>
<tr>
<th>Original image</th>
<th>CMYK 0%</th>
<th>1. Whole image: Entire image data is filled with special color</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2. Valid pixel: Changes valid color part to special color</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. Fill in contour: Changes inside of image contour to special color</td>
</tr>
</tbody>
</table>

**Layer adjustment**

White layer size and position are adjustable when it offsets from color layer.

<table>
<thead>
<tr>
<th>Color layer</th>
<th>White layer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Specifications**

<table>
<thead>
<tr>
<th>Txf150-75 specifications</th>
<th>Ink specifications/ink array</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print head</td>
<td>Water-based pigment ink for DPL PHT-50 specifications</td>
</tr>
<tr>
<td>On-demand pinch head</td>
<td>Ink name: PHT-50</td>
</tr>
<tr>
<td>Printing resolution</td>
<td>Ink color: 5 colors(C,M,Y,K,W)</td>
</tr>
<tr>
<td>720dpi, 1,440dpi</td>
<td>Packing form: Aluminum pack</td>
</tr>
<tr>
<td>Ink</td>
<td>Capacity: 650mL(C:M:1.4:K:0.5)</td>
</tr>
<tr>
<td>Type / Color: Heat transfer pigment ink</td>
<td>Certification: Eco Passport</td>
</tr>
<tr>
<td>Capacity: 600mL (ink pack) (500mL only for white)</td>
<td></td>
</tr>
<tr>
<td>CIRCULATORY FUNCTION</td>
<td>Maximum drawing width: 800mm</td>
</tr>
<tr>
<td>Only white</td>
<td>Maximum width: 810mm</td>
</tr>
<tr>
<td></td>
<td>Thickness: 1.0mm or less</td>
</tr>
<tr>
<td>Full weight: 4kg/9.9lb or less</td>
<td></td>
</tr>
<tr>
<td>Interface: Ethernet 1000BASE-T, USB2.0 Hi-speed</td>
<td></td>
</tr>
<tr>
<td>Power: Single-phase AC 100-120V/AC200-240V*1+10%</td>
<td></td>
</tr>
<tr>
<td>Power consumption: AC100V: 0.5kW or less, AC200V: 1.5kW or less</td>
<td></td>
</tr>
<tr>
<td>Certifications: VCCI class A, FCC class A, CE Marking (EMC, Low voltage, Machinery directive, and RoHS), CB, Reach, Energy star, RCM, KC</td>
<td></td>
</tr>
<tr>
<td>Dimensions: 1,905mm × 700mm × 1,362mm (77 × 27 × 53 in)</td>
<td></td>
</tr>
<tr>
<td>Weight: 126.4kg</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Mimaki offer product in printer, ink and RIP software. Please consider the film, hot melt powder post-processing machine, and heat press transfer machine required for the system configuration after sufficient prior evaluation by the customer.
A safe and stable DTF Printer with Mimaki’s core technologies

Mimaki’s core technologies for stable operation

- MCT Version2 (Mimaki Circulation Technology Version2)
  Circulation through out ink route including dampens supports stable white ink ejection for reducing frequent nozzle cleaning and ink waste.

- NCU (Nozzle Check Unit)
  A sensor detects nozzle defect and nozzle cleaning performed automatically to reduce the material waste.

- NRS (Nozzle Recovery System)
  Supports continuous production without waiting for service personnel when nozzle defect is uncorrectable by nozzle cleaning.
  *The function may be limited by missing nozzle position and amount

Secured safety - Mimaki genuine Heat transfer pigment ink PHT50

Aluminum pack for degassed ink, implements stable ink ejection by reducing gas contamination of the ink and preventing nozzle defect.

The use of plastic can be reduced compared to ink bottles, which also reduces environmental impact.

PHT50, Mimaki’s first heat transfer pigment ink, has already acquired the “ECO PASSPORT” certification. ECO PASSPORT is an international standard for the safety of textile products. The “ECO Passport” is an international standard for the safety of textile products, and the safety of the ink is certified by a third-party organization. PHT50 is a safe and secure ink that reduces environmental impact.

*Environmentally friendly ink that meets the world’s top safety standards

Secured safety - Mimaki Brand

- One stop solution for printer, ink and RIP software provides the total support.

Comparison of silk screen, heat transfer rubber sheet, DTG and DTF methods

- Silk screen method
  Need a plate, difficult to print in full color.

- Heat transfer rubber sheet method
  Takes time for heating.

- DTF (Direct To Garment) method
  Manual handling by the operator at each printing step.
  Printing processes can be operated unattended.

Example of uses - Enable to decorate various fabric by one DTF print system

What is DTF?

A printing method which prints directly on DTF film, sprinkles hot-melt powder, which is then heated and dried to form transferable ink layer. The ink layer is heat-pressed and transferred to a fabric such as T-shirt.

*We offer our product in printer, ink and RIP software. Please contact local Mimaki distributor about DTF film, hot-melt powder, powder shaker, post-processing machine and heat press transfer machine.

Design
RIP Software
(Raster Link7)
Printer
(TTF 150-75)
Powdering
(Hot-melt powder)
Oven drying
(post-processing machine)
Heat press
(heat press transfer machine)

*Printer, ink and RIP software provided by Mimaki