Production Process Guide

The instructions here are intended as a starting point for working with Innova Supernova Sublimation media. The process outlined below should work with the majority of dye-sublimation equipment available on the market today. However, there are any factors which can impact the quality of dye-sublimation prints. If you require instructions specific to the conditions in your own studio, please contact Innova Art for advice.

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Innova Supernova Transfer Paper Print Settings

- Leave printed paper to dry completely before transferring images.
- Additional drying time may be required in high humidity conditions.
- The recommended climate for storage and use of this paper is 23°C (73.4°F), 40-60% relative humidity.

Print Mode	720 x 1440 dpi or Higher
Media Mode	Rigid or Highest Quality
Dot Type	Fixed Dot / Prefer Smaller Dots (For Backlit Applications)
Dot Size	Small
Weaving Mode	6-8 Pass
Print Direction	Unidirectional (Best Quality)
Ink Load	360-400% / 280-320% (For Backlit Applications)
ICC Profile Settings	GCR 3 or 4 / Colour Intensity 130-150% (For Backlit Applications)
Image Setting	Print Image Mirror Inverted Add 10mm on Each Edge for Full Bleed Images

Innova Supernova Sublimation Receptive Media Transfer Process

Flatbed Heat Press

Step 1	Select or cut a sheet size to match your printed image.
Step 2	Lay sublimation receptive material face down onto the printed side of the paper, fix in place using thermally stable tape
Step 3	Position the print and sublimation material into the heat press with the transfer paper on top.
Step 4	Set pressure to 3-5 Bar (43.5-72.5 PSI); temperature 170°C (338°F) and transfer for 150-180 seconds (2.5-3 minutes).
Step 5	Carefully remove the paper from the top of the receptive media. Be aware: movement of the paper or receptive media can cause ghosting.
Step 6	Leave receptive media to cool fully before mounting or framing.

Calender Press

Step 1	Select a roll width to match the width of transfer paper roll.
Step 2	Load a roll of sublimation receptive media onto the heat cylinder along with a roll of printed transfer paper onto the felt cylinder.
Step 3	Set pressure to 1-3 Bar (14.5-43.5 PSI); temperature 180°C (356°F) and speed to 0.2-0.3 meters per minute. Use minimum tension.
Step 4	Leave receptive media to cool fully before mounting or framing.

- High levels of humidity can cause problems during the sublimation process on both flatbed and calender presses. To reduce the impact of high humidity on the quality of your output ensure your prints are fully dry before transfer or transfer images in a fully climate controlled environment.