

# 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 for at least 1 hour before transferring images.
- For best results, leave printed paper to dry for at least 12 hours (overnight) before transferring images.
- If speed is essential, it is possible to dry the paper with a hair dryer before transferring images. This can be helpful in a high humidity environment.
- The recommended climate for storage and use of this paper is 23°C (73.4°F), 40-60% relative humidity.

<b>Print Mode</b>	720 x 1440 dpi or Higher
<b>Media Mode</b>	Rigid (Highest Quality)
<b>Dot Type</b>	Fixed Dot
<b>Dot Size</b>	Small
<b>Weaving Mode</b>	6-8 Pass
<b>Print Direction</b>	Unidirectional (Best Quality)
<b>Ink Load</b>	360-400%
<b>ICC Profile</b>	Available to Download Online for Selected Printer Models
<b>Image Setting</b>	Print Image Mirror Inverted Add 10mm on Each Edge for Full Bleed Images

## Innova Supernova Baryta & Chrome Transfer Process

### *Flatbed Heat Press*

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

### *Calender Press*

<b>Step 1</b>	Select a roll width to match the width of transfer paper roll.
<b>Step 2</b>	Load a roll of sublimation receptive media onto the heat cylinder along with a roll of printed transfer paper onto the felt cylinder.
<b>Step 3</b>	Set pressure to 1-3 Bar (14.5-43.5 PSI); temperature 190°C (374°F) and dwell time to 60 seconds.
<b>Step 4</b>	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.