

# NOVUS SYNERGIA<sup>®</sup>

Hybrid Flatbed & Roll-To-Roll UV Printer



## THE NOVUS SYNERGIA ADVANTAGE

The Synergia is powered by the patented RW Warp Engine™. True greyscale in 64,000+ shades using CMYK, LC, LM, LY, LK is achieved with dynamic variable drop technology. The variable drop technology uses less ink to achieve desired densities eliminating ink waste due to overlap. Micro-layer curing reduces curing energy enabling the ability to print on thinner substrates. Optional white ink and gamut boosters orange, gray, red and blue are available.

## MATERIAL HANDLING

The best in hybrid material handling all comes together in the Synergia. That's because it's built for speed incorporating NOVUS' patented tri-lobal media transport belt to ensure accurate media tracking in roll or board mode. Its three zone intelligent vacuum system puts the right amount of vacuum where you need it, when you need it. The optional heavy-duty dancer bar with spreaders keeps even the most difficult roll media flat before it enters the print area.

## PRODUCTIVITY

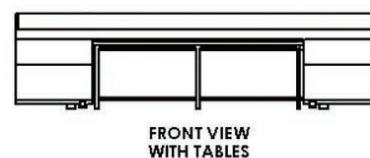
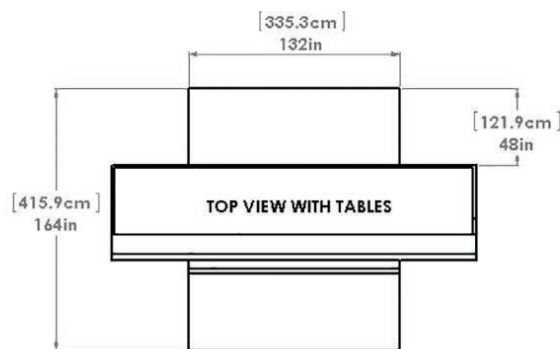
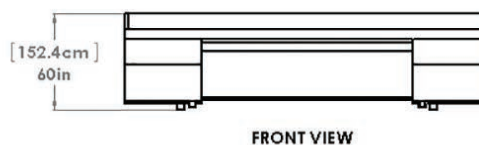
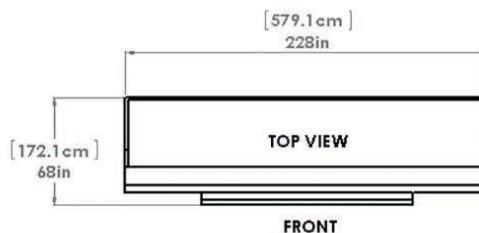
Synergia always prints true greyscale producing exceptional photo-realistic quality without the usual speed vs. quality trade-off. Sellable output is a reality at speeds of up to 139 m<sup>2</sup>/hr (1500 ft<sup>2</sup>/hr). Continuous print mode allows the Synergia to print without pause in roll or board mode.

## CUSTOMER SUPPORT

Synergia is possibly the most serviceable grand format printer on the planet today. Comprehensive remote diagnostics enable easy resolution to typical production errors reducing downtime. Vision print head alignment means a print head can be replaced and aligned in as little as 10 minutes. Synergia is proudly made in the USA and backed by the NOVUS' one-year limited warranty.\*\*

# SPECIFICATIONS

<b>Print Head</b>	Dimatix Q-Class
<b>Number of Print Heads</b>	8 per color channel; up to 10 channels
<b>Drop Size</b>	10, 20 30 pL
<b>Apparent Resolution</b>	2400 dpi
<b>Addressable Resolution</b>	Full Greyscale Resolution
<b>Interface</b>	Athena Control Station
<b>RIP</b>	Caldera Grand RIP+
<b>Max. Media Thickness</b>	5 cm (2")
<b>Max. Media Width</b>	320 cm (126")
<b>Power Requirement</b>	208 V, 3 ph, 40 A, 50/60 Hz
<b>Compressed Clean Dry Air:</b>	255 l/m at 6,9 bar (9 cfm at 100 psi)
<b>Operating Temperature</b>	55° to 85° F (13° to 29° C)
<b>Humidity</b>	>55% (non-condensing)
<b>Ink</b>	UV28 UV curable
<b>Ink Colors</b>	C, M, Y, K, Lc, Lm, Ly, Lk
<b>Ink Options</b>	White
<b>Gamut Boosters</b>	Orange, Gray, Red, Blue
<b>Print Speeds*</b>	
<b>Fine Art Mode (std)</b>	Up to 46 m <sup>2</sup> /hr (500 ft <sup>2</sup> /hr)
<b>(RW Warp Engine)</b>	Up to 93 m <sup>2</sup> /hr (1000 ft <sup>2</sup> /hr)
<b>Quality Mode (std)</b>	94 m <sup>2</sup> /hr (1010 ft <sup>2</sup> /hr)
<b>(RW Warp Engine)</b>	Up to 186 m <sup>2</sup> /hr (2000 ft <sup>2</sup> /hr)
<b>Production Mode (std)</b>	Up to 139 m <sup>2</sup> /hr (1500 ft <sup>2</sup> /hr)
<b>(RW Warp Engine)</b>	Up to 279 m <sup>2</sup> /hr (3000 ft <sup>2</sup> /hr)
<b>High Speed Mode (std)</b>	Up to 279 m <sup>2</sup> /hr (3000 ft <sup>2</sup> /hr)
<b>(RW Warp Engine)</b>	Up to 279 m <sup>2</sup> /hr (3000 ft <sup>2</sup> /hr)



\* Speeds were measured using industry standard speed measurements. A white paper detailing the testing methods is available upon request.

\*\* Warranty: One-year limited on parts and labor, excluding wear items and consumables. See Warranty Statement for full details.



**NOVUS** Imaging  
AN M & R COMPANY

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