RADNOR

ULTRA PRODUCTIVE UV-LED HYBRID PRINTER

The versatile 3.2m Radnor UV-LED hybrid printing system is the all-in-one solution for printing both rigid and roll substrates in today's competitive large format print market. To exceed client and brand quality demands, the Radnor hybrid is configured with small drop Kyocera printheads and a magnetic linear drive control for precise drop placement. Built for redefined productivity, the Radnor can be configured with up to three rows of printheads for astonishing print speeds, while still allowing for optional white and varnish ink channels to expand application potential. Take your print operation to the next with Vanguard Digital and the Radnor hybrid printing system.

DESIGNED FOR HIGH-QUALITY PRINT PRODUCTION:

- Magnetic linear drive control for accurate dot placement at ultra-high speeds

- High-volume ink jetting at an accurate level to support productivity

- Up to three rows of printheads to best suit business needs with the option to upgrade speed and channels as needs change and develop in the future

- Six independently controlled vacuum zones ensure efficient hold-down, with the right amount of vacuum where you need it, when you need it

- Variable drop technology and 4 picoliter drop sizes for better color gradients and smoothing capability

THE EFFECTIVE ALL-IN-ONE SOLUTION:

- Continuous Print Mode for rigid sheet production to maximize throughput

- X-axis manual cutter and Y-axis slitter for printed flexible material to easily move through production to finishing or fulfillment

- Mirrored operation control front and back of printer and easy foot pedal control

- Smart design for both the input and output table with a flip-up extension for longer sheets

- Left and right home registration point allow for simple two-sided printing

- Automatic board registration ensures the right graphic on the right board

THE POWER OF LED TECHNOLOGY:

- Extends your range of supported substrates, including lower-cost and added-value specialty media

- Increases uptime and productivity with instant on/off and less maintenance

- Drive down operating costs with less energy consumption and fewer consumable parts

- Reduces waste with consistent color output and simple operation

- Satisfies customer requests for a greener print solution with no VOCs, lower power consumption, and less waste and consumables

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SPECIFICATIONS		DIMENSIONS	
Print Head	Kyocera	W x D x H	18'9" x 5'3" x 6' 8" (576cm x 161cm x 207cm)
Print Resolution	Up to 1800 dpi	Weight	7,760 lbs. (3,519kg)
Max Print Heads	18 (6 x 3 rows)	Recommended Operating Dimensions	23' x 21'5" (701cm x 655cm)
Base Ink	CMYK	Shipping Dimensions	19'5" x 7' 5" x 7' 8" (594cm x 228cm x 237cm)
Optional Ink	White + Varnish	Minimum Door Clearance	72" (182cm)
Curing	Liquid-Cooled LED		

REQUIREMENTS		MEDIA	
Power	2 x 220V | Single-phase | 40A 1 x 120V | Single-phase | 20A	Max Print Width	126" (320cm)
		Max Rigid Substrate Thickness	2" (50mm)
Compressed Air	6-8 Bar | 87-116 PSI 5 (l/min) 1.3 (gal/min) Water 4 | Oil 1	Max Roll Diameter	14" (35cm)
Environment	Dust free / climate controlled	Max Roll Weight	440 lbs (199kg)
Temperature	68-77 °F (20-25 °C)	Material Type	Rigid & flexible
Humidity	40-70% non-condensing	RIP Solution	Durst Workflow | Onyx | Caldera

PRINT SPEEDS	SINGLE	DUAL	TRIPLE
Express	Up to 2,002 sq ft/h	Up to 4,025 sq ft/h	Up to 6,146 sq ft/h
Production	Up to 1,011 sq ft/h	Up to 2,055 sq ft/h	Up to 3,067 sq ft/h
Quality	Up to 505 sq ft/h	Up to 1,011 sq ft/h	Up to 1,506 sq ft/h

VANGUARD™
DIGITAL PRINTING SYSTEMS
A Durst Group Company