

# SIGNRACER 2512 HB

Industrial LED UV printer for direct to object printing up to 40 cm in height



**SIGNRACER** 2512 HB



Greenguard Gold  
Certified Inks



Varnish  
Colour  
White

# SIGNRACER 2512 HB

The SIGNRACER 2512 HB was developed for industrial customers with highest demands for printing in heights up to 40 cm. The unique carriage height adjustment system is using a robust industrial high-bridge design that greatly increases printing versatility. Speed and quality of the 2512 HB are unique in this segment. Our high adhesion and flexible UV inks allow industrial customers to print on all kind of challenging materials like plastic components, metal parts and leather products.

The GREENGUARD Gold Certification ensures the interior products are low in chemical emissions, decreasing indoor pollution levels. This program sets the most stringent guidelines for total VOC emissions. Greenguard Gold Certified products emit minimal gases. They maintain healthy indoor air quality, by reducing our chemical exposure. Low level of formaldehyde emissions specifically, makes them suitable for use in child's room or educational settings which has to meet even stricter standards. Lower emissions mean healthier indoor air, thereby reducing the risk of asthma, allergies, respiratory diseases; eye, nose, throat irritation; reproductive and developmental defects; various diseases and forms of cancer.



**Aluminum**



**Luxury Packaging**



**Wood & Plastics**



**Glass**




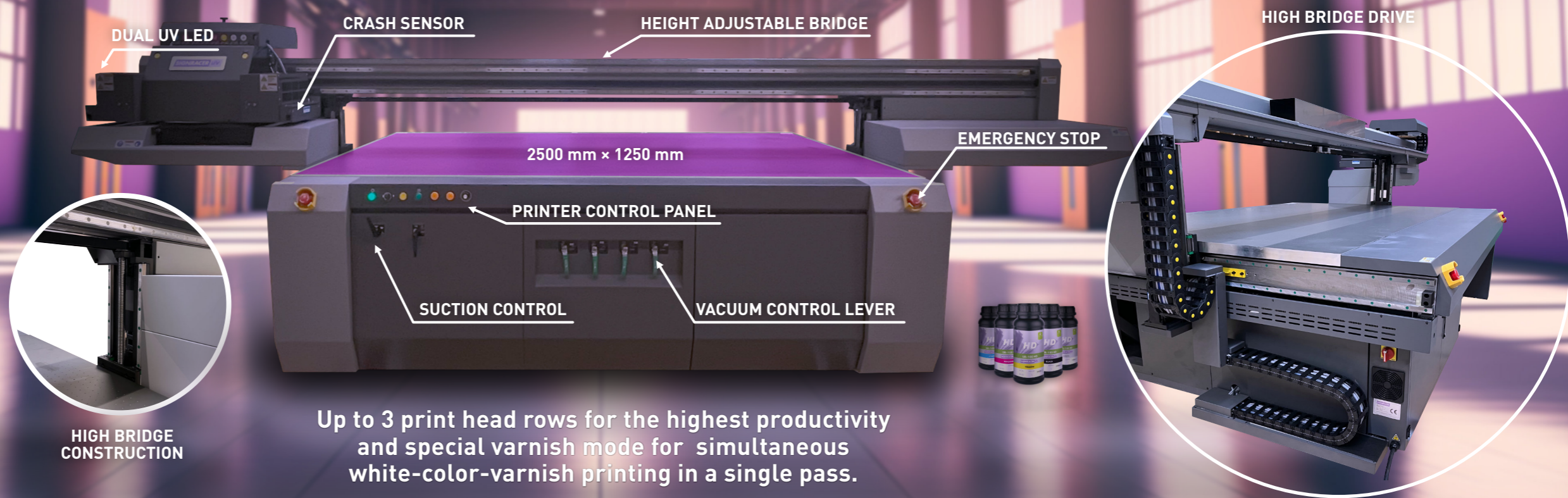
**Leather**



**Faux Leather**

**Custom Printhead & Colour Configurations**

Single, double and triple row configurations with white and varnish enables simultaneous printing and delayed curing of varnish in desired areas with a dedicated UV LED module for perfect glossy effects.

**DUAL UV LED**      **CRASH SENSOR**      **HEIGHT ADJUSTABLE BRIDGE**      **HIGH BRIDGE DRIVE**

**EMERGENCY STOP**

2500 mm × 1250 mm

**PRINTER CONTROL PANEL**

**SUCTION CONTROL**      **VACUUM CONTROL LEVER**

**HIGH BRIDGE CONSTRUCTION**

Up to 3 print head rows for the highest productivity and special varnish mode for simultaneous white-color-varnish printing in a single pass.



The highest adhesion achievable only with SIGNRACER OEM Inks

Specifications	SIGNRACER 2512 HB
<b>Print technology</b>	Multi-drop technology
<b>Print Heads</b>	Ricoh Gen. 5
<b>Print head count</b>	2-8 Print Heads
<b>Printbed</b>	2500 × 1250 mm
<b>Flatbed</b>	Honeycomb 4 zones vacuum table with registration pins
<b>Carriage Speed</b>	0.8 m/s
<b>Nozzle Quantity   Drop size</b>	1280 nozzles   7 - 21 pl grayscale
<b>Dimensions</b> (height × width × depth) *without PC arm	1320 × 4670 × 1960 mm
<b>Weight</b>	1380 kg
<b>Energy Consumption</b>	6 kW
<b>Media / Curing</b>	
<b>Max. Media Width / Max. Print Width</b>	2540 mm / 2500 mm
<b>Media Type</b>	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)
<b>Media Thickness</b>	400 mm
<b>Media Curing System</b>	High Performance LED UV curing with variable power levels
<b>Single Row</b>	90 mm / 14 Watt/cm <sup>2</sup>
<b>Double Row</b>	180 mm / 14 Watt/cm <sup>2</sup>
<b>Triple Row</b>	210 mm / 16 Watt/cm <sup>2</sup>
<b>Printing Speeds</b>	
<b>Ricoh Gen. 5</b>	Single Row / Double Row / *Triple Row with special varnish mode
<b>Draft</b> (4 pass, 600x900 dpi)	29 / 44 / 21 m <sup>2</sup> /h
<b>Production</b> (6 pass, 600x900 dpi)	21 / 35 / 14 m <sup>2</sup> /h
<b>Quality</b> (9 pass, 600x900 dpi)	16 / 29 / 10 m <sup>2</sup> /h
<b>Ink Specifications</b>	
<b>Certified Ink Series</b>	SIGNRACER 100, SIGNRACER 200, PREMIUMFLEX HD, SR-IN (Industrial), PRIMER AM
<b>Colour Configurations</b>	CMYK + LC + LM + White + Varnish / CMYK + LC + LM + LK + White
<b>Ink Consumption</b>	8 ml/m <sup>2</sup>