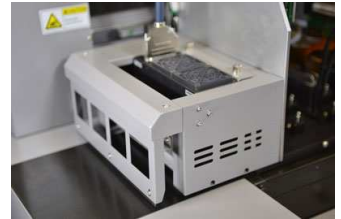




Advantages of high-performance LED-System

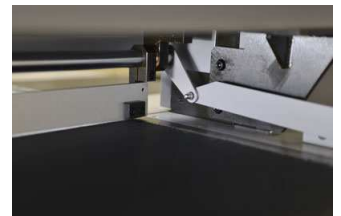
- Air-cooled system with max. 8W/cm²
- Adjustable performance from 2 to 8 Watt
- Ozone free curing
- 20.000 hours lifetime of the LED lamps
- Low temperature LED to print on all media
- Fast curing



Features SIGNRACER 1600 H-LED

- Maximum Media width 1600 mm
- Printbed 1600 mm
- Media type rigid and flexible up to 50 mm
- Ricoh Gen. 5 print heads (2 - 4)
- Grayscale 7pl - 21pl
- Print Resolution up to 1200 dpi
- 4 colors or 6 colors + White + Clear Coat
- Automatic height adjustment
- Registration pins for perfect media positioning
- White ink circulation
- Premium electronics for maximum ink performance
- Amethyst SR-100 was specifically developed by SIGNRACER for the Ricoh Gen. 5 print heads and was approved by Ricoh
- Multi zones vacuum conveyor belt for optimal media fixation

Start Guide



Amethyst SR-100 UV-Ink - for flexible and rigid materials



The SIGNRACER 1600 H-LED can be configured with the UV-ink Amethyst SR-100 approved by Ricoh, for Ricoh Gen. 5 print heads.

Available in CMYK + LC + LM + White + Clear Coat.
1 l bottles

Specifications of SIGNRACER 1600 H-LED hybrid

Technical Key Features	
Print technology	Multi drop technology
Print Head	Ricoh Gen. 5 / 2- 4 print heads
Printbed	1600 mm
Hybrid	Conveyor vacuum belt with 3 zones and startbar for media positioning
Dimensions (height x width x depth)	1310 x 3100 x 870 mm (without PC arm and media table)
Weight	800 kg
Power Consumption - Option	3 kw
Nozzle configuration	1280 nozzles
Media Specifications	
Maximum Media Width	1600 mm
Maximum Print Width	1600 mm
Media Type	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)
Media Thickness	Maximum 50 mm
Media Drying System	LED UV curing with variable Power levels
Printing Speeds	
Draft (4 pass, fixed dot, 600 x 600 dpi)	23 m ² /h
Production (6 pass, fixed dot, 600 x 600 dpi)	18 m ² /h
Quality (8 pass, fixed dot, 600 x 600 dpi)	14 m ² /h
High Quality (9 pass, grayscale, 600 x 900 dpi)	12 m ² /h
Print Resolution	Up to 1200 dpi
Ink Specifications	
Ink Type (Ricoh approved)	UV-ink Amethyst SR-100 / SRX-200
Colors	CMYK + LC + LM + White + Clear Coat
Ink Consumption	10 ml/m ²
Main ink tank capacity	3 l with level sensor