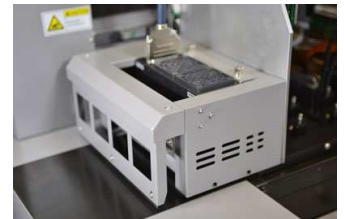




Advantages of high-performance LED-System

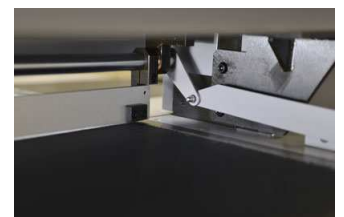
- Air-cooled system with max. 8W/cm²
- Adjustable performance from 2 to 8 Watt
- Ozone free curing
- 20.000 hours lifetime of the LED lamps
- Low temperature LED to print on all media
- Fast curing



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 |