



## Advantages of high-performance LED-System

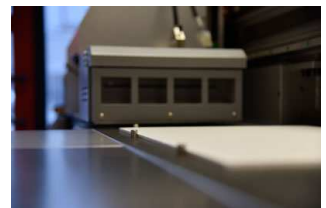
- Air-cooled system with max. 9.5W/cm<sup>2</sup>
- Adjustable performance from 2 to 9.5 Watt
- Fast ozone free curing
- 20.000 hours lifetime of the LED lamps
- LED length 90 or 150 mm (90 mm = 1 row of print heads, 150 mm = 2 rows of print heads)
- Low temperature LED to print on all media



## Features SIGNRACER 3116 LED

- Maximum Media width 3140 mm
- Printbed 3100 x 1600 mm
- Media type rigid and flexible up to 50 kg/m<sup>2</sup>
- Ricoh Gen. 5 print heads (2 - 8)
- Grayscale 7pl - 21pl
- Print Resolution up to 1200 dpi
- 4 colors or 6 colors + White + Clear Coat
- Automatic height adjustment up to 100 mm
- 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
- Brushless vacuum pump operates totally quiet and improves the stability of the printer (less pulsation)
- Capping station for longer shut-off periods (avoiding any drying of the print heads)
- Cable chain guarantees a 24/7 operation and a proper protection of the cables inside the chain

Start Pins



Vacuum zones with reverse function



Automated media height adjustment



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



The SIGNRACER 3116 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 3116 LED flatbed**

<b>Technical Key Features</b>	
Print technology	Multi drop technology
Print Head	Ricoh Gen. 5 / 2- 8 print heads
Printbed	3100 x 1600 mm
Flatbed	Honeycomb 4 zones vacuum table with registration pins
Dimensions (height x width x depth)	1350 x 5230 x 2220 mm (without PC arm)
Weight	1252 kg
Power Consumption - Option	4 kw
Nozzle configuration	1280 nozzles
<b>Media Specifications</b>	
Maximum Media Width	3140 mm
Maximum Media Weight	50 kg/m <sup>2</sup>
Maximum Print Width	3100 mm
Media Type	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)
Media Thickness	Maximum 100 mm
Media Drying System	LED UV curing with variable Power levels
<b>Printing Speeds</b>	<b>Single // Double row of print heads</b>
Draft (4 pass, fixed dot, 600 x 600 dpi)	31 m <sup>2</sup> /h // 50 m <sup>2</sup> /h
Production (6 pass, fixed dot, 600 x 600 dpi)	23 m <sup>2</sup> /h // 38 m <sup>2</sup> /h
Quality (8 pass, fixed dot, 600 x 600 dpi)	17 m <sup>2</sup> /h // 31 m <sup>2</sup> /h
High Quality (9 pass, grayscale, 600 x 900 dpi)	15 m <sup>2</sup> /h // 27 m <sup>2</sup> /h
Print Resolution	Up to 1200 dpi
<b>Ink Specifications</b>	
Ink Type (Ricoh approved)	UV-ink Amethyst SR-100 / SR-150
Colors	CMYK + LC + LM + White + Clear Coat
Ink Consumption	10 ml/m <sup>2</sup>
Main ink tank capacity	3 l with level sensor