

# Specification Sheet SIGNRACER Flatbed Series



Technical Key Features	SIGNRACER 1610	SIGNRACER 2512	SIGNRACER 3116	SIGNRACER 3020
<b>Print Technology</b>	Multi drop technology	Multi drop technology	Multi drop technology	Multi drop technology
<b>Print Head</b>	Ricoh Gen. 5 / 2-4 printheads	Ricoh Gen. 5 / 2-8 printheads	Ricoh Gen. 5 / 2-8 printheads	Ricoh Gen. 5 / 2-8 printheads
<b>Printbed</b>	1600 × 1000 mm	2500 × 1250 mm	3100 × 1600 mm	3050 × 2050 mm
<b>Flatbed</b>	Honeycomb 2 zones vacuum table with registration pins	Honeycomb 4 zones vacuum table with registration pins	Honeycomb 4 zones vacuum table with registration pins	Honeycomb 4 zones vacuum table with registration pins
<b>Dimensions (height × width × depth)</b>	1300 × 3100 × 1700 mm (without PC arm)	1320 × 4670 × 1960 mm (without PC arm)	1350 × 5230 × 2220 mm (without PC arm)	1350 × 5230 × 3200 mm (without PC arm)
<b>Weight</b>	760 kg	1380 kg	1610 kg	1760 kg
<b>Power Consumption - Option</b>	4 kw	6 kw	6 kw	6 kw
<b>Nozzles / drop size</b>	1280 nozzles / 7-21 pl grayscale	1280 nozzles / 7-21 pl grayscale	1280 nozzles / 7-21 pl grayscale	1280 nozzles / 7-21 pl grayscale
<b>Media Specifications</b>				
<b>Maximum Media Width</b>	1640 mm	2540 mm	3140 mm	3100 mm
<b>Maximum Print Width</b>	1600 mm	2500 mm	3100 mm	3050 mm
<b>Media Type</b>	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)
<b>Media Thickness</b>	Maximum 100 mm	Maximum 100 mm	Maximum 100 mm	Maximum 100 mm
<b>Media Drying System</b>	LED UV curing with variable power levels (up to 14 Watt/cm2)	LED UV curing with variable power levels (up to 14 Watt/cm2)	LED UV curing with variable power levels (up to 14 Watt/cm2)	LED UV curing with variable power levels (up to 14 Watt/cm2)
<b>Printing Speeds</b>				
	Single row of print heads	Single   Double row print heads	Single   Double row print heads	Single   Double row print heads
<b>Draft (4 pass, 600 × 600 dpi)</b>	23 m <sup>2</sup> /h	29 m <sup>2</sup> /h   44 m <sup>2</sup> /h	31 m <sup>2</sup> /h   50 m <sup>2</sup> /h	31 m <sup>2</sup> /h   50 m <sup>2</sup> /h
<b>Production (6 pass, 600 × 600 dpi)</b>	18 m <sup>2</sup> /h	21 m <sup>2</sup> /h   35 m <sup>2</sup> /h	23 m <sup>2</sup> /h   38 m <sup>2</sup> /h	23 m <sup>2</sup> /h   38 m <sup>2</sup> /h
<b>Quality (8 pass, 600 × 600 dpi)</b>	14 m <sup>2</sup> /h	16 m <sup>2</sup> /h   29 m <sup>2</sup> /h	17 m <sup>2</sup> /h   31 m <sup>2</sup> /h	17 m <sup>2</sup> /h   31 m <sup>2</sup> /h
<b>High Quality (9 pass, 600 × 900 dpi)</b>	12 m <sup>2</sup> /h	14 m <sup>2</sup> /h   25 m <sup>2</sup> /h	15 m <sup>2</sup> /h   27 m <sup>2</sup> /h	15 m <sup>2</sup> /h   27 m <sup>2</sup> /h
<b>Print Resolution</b>	Up to 1200 dpi	Up to 1200 dpi	Up to 1200 dpi	Up to 1200 dpi
<b>Ink Specifications</b>				
<b>Ink Type (Ricoh approved)</b>	UV-ink SR-100, SR-150, SR-200 HD	UV-ink SR-100, SR-150, SR-200 HD	UV-ink SR-100, SR-150, SR-200 HD	UV-ink SR-100, SR-150, SR-200 HD
<b>Colors</b>	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat
<b>Ink Consumption</b>	10 ml/m <sup>2</sup>	10 ml/m <sup>2</sup>	10 ml/m <sup>2</sup>	10 ml/m <sup>2</sup>
<b>Main ink tank capacity</b>	1 l with level sensor	1 l with level sensor	1 l with level sensor	1 l with level sensor

# Specification Sheet SIGNRACER HD Flatbed Series



Technical Key Features	SIGNRACER 1610 HD	SIGNRACER 2512 HD	SIGNRACER 3116 HD	SIGNRACER 3020 HD
<b>Print Technology</b>	Multi drop technology	Multi drop technology	Multi drop technology	Multi drop technology
<b>Print Head</b>	Ricoh Gen. 5s / 2-4 printheads	Ricoh Gen. 5s / 2-8 printheads	Ricoh Gen. 5s / 2-8 printheads	Ricoh Gen. 5s / 2-8 printheads
<b>Printbed</b>	1600 × 1000 mm	2500 × 1250 mm	3100 × 1600 mm	3050 × 2050 mm
<b>Flatbed</b>	Honeycomb 2 zones vacuum table with registration pins	Honeycomb 4 zones vacuum table with registration pins	Honeycomb 4 zones vacuum table with registration pins	Honeycomb 4 zones vacuum table with registration pins
<b>Dimensions (height × width × depth)</b>	1300 × 3100 × 1700 mm (without PC arm)	1320 × 4670 × 1960 mm (without PC arm)	1350 × 5230 × 2220 mm (without PC arm)	1350 × 5230 × 3200 mm (without PC arm)
<b>Weight</b>	760 kg	1380 kg	1610 kg	1760 kg
<b>Power Consumption - Option</b>	4 kw	6 kw	6 kw	6 kw
<b>Nozzles / drop size</b>	1280 nozzles / 2.5-9 pl grayscale	1280 nozzles / 2.5-9 pl grayscale	1280 nozzles / 2.5-9 pl grayscale	1280 nozzles / 2.5-9 pl grayscale
<b>Media Specifications</b>				
<b>Maximum Media Width</b>	1640 mm	2540 mm	3140 mm	3100 mm
<b>Maximum Print Width</b>	1600 mm	2500 mm	3100 mm	3050 mm
<b>Media Type</b>	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)	Rigid and flexible (PVC Boards, Aludibond, PS, PP, Acrylat, PET-G, Glass)
<b>Media Thickness</b>	Maximum 100 mm	Maximum 100 mm	Maximum 100 mm	Maximum 100 mm
<b>Media Drying System</b>	LED UV curing with variable power levels (up to 14 Watt/cm2)	LED UV curing with variable power levels (up to 14 Watt/cm2)	LED UV curing with variable power levels (up to 14 Watt/cm2)	LED UV curing with variable power levels (up to 14 Watt/cm2)
<b>Printing Speeds</b>				
	Single row of print heads	Single   Double row print heads	Single   Double row print heads	Single   Double row print heads
<b>Draft (4 pass, 600 × 1200 dpi)</b>	20 m <sup>2</sup> /h	25 m <sup>2</sup> /h   40 m <sup>2</sup> /h	27 m <sup>2</sup> /h   43 m <sup>2</sup> /h	27 m <sup>2</sup> /h   43 m <sup>2</sup> /h
<b>Production (6 pass, 600 × 1200 dpi)</b>	16 m <sup>2</sup> /h	19 m <sup>2</sup> /h   31 m <sup>2</sup> /h	20 m <sup>2</sup> /h   33 m <sup>2</sup> /h	20 m <sup>2</sup> /h   33 m <sup>2</sup> /h
<b>Quality (8 pass, 600 × 1200 dpi)</b>	13 m <sup>2</sup> /h	14 m <sup>2</sup> /h   25 m <sup>2</sup> /h	15 m <sup>2</sup> /h   27 m <sup>2</sup> /h	15 m <sup>2</sup> /h   27 m <sup>2</sup> /h
<b>High Quality (12 pass, 600 × 1200 dpi)</b>	9 m <sup>2</sup> /h	10 m <sup>2</sup> /h   18 m <sup>2</sup> /h	11 m <sup>2</sup> /h   19 m <sup>2</sup> /h	11 m <sup>2</sup> /h   19 m <sup>2</sup> /h
<b>Print Resolution</b>	Up to 1200 dpi	Up to 1200 dpi	Up to 1200 dpi	Up to 1200 dpi
<b>Ink Specifications</b>				
<b>Ink Type (Ricoh approved)</b>	UV-ink SR-100, SR-150, SR-200 HD	UV-ink SR-100, SR-150, SR-200 HD	UV-ink SR-100, SR-150, SR-200 HD	UV-ink SR-100, SR-150, SR-200 HD
<b>Colors</b>	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat
<b>Ink Consumption</b>	7 ml/m <sup>2</sup>	7 ml/m <sup>2</sup>	7 ml/m <sup>2</sup>	7 ml/m <sup>2</sup>
<b>Main ink tank capacity</b>	1 l with level sensor	1 l with level sensor	1 l with level sensor	1 l with level sensor