

Specification Sheet SIGNRACER HD Hybrid Series



Technical Key Features	SIGNRACER 1600 HD	SIGNRACER 2500 HD	SIGNRACER 3200 HD
Print Technology	Multi drop technology	Multi drop technology	Multi drop technology
Print Head	Ricoh Gen. 5s / 2-4 printheads	Ricoh Gen. 5s / 2-8 printheads	Ricoh Gen. 5s / 2-8 printheads
Printbed	1600 mm	2500 mm	3200 mm
Hybrid	Conveyor vacuum belt with 3 zones and startbar for media positioning	Conveyor vacuum belt with 5 zones and startbar for media positioning	Conveyor vacuum belt with 5 zones and startbar for media positioning
Dimensions (height × width × depth)	1310 × 3100 × 870 mm (without PC arm and media table)	1350 × 4850 × 1030 mm (without PC arm and media table)	1450 × 5480 × 1420 mm (without PC arm and media table)
Weight	900 kg	1300 kg	2460 kg
Power Consumption - Option	4 kw	6 kw	6 kw
Nozzles / drop size	1280 nozzles / 2.5-9 pl grayscale	1280 nozzles / 2.5-9 pl grayscale	1280 nozzles / 2.5-9 pl grayscale
Media Specifications			
Maximum Media Width	1600 mm	2500 mm	3200 mm
Maximum Print Width	1600 mm	2500 mm	3200 mm
Media Type	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)
Media Thickness	Maximum 50 mm	Maximum 50 mm	Maximum 50 mm
Media Drying System	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)
Printing Speeds	Single row print heads	Single Double row print heads	Single Double row print heads
Draft (4 pass, 600 × 1200 dpi)	20 m ² /h	25 m ² /h 40 m ² /h	27 m ² /h 43 m ² /h
Production (6 pass, 600 × 1200 dpi)	16 m ² /h	19 m ² /h 31 m ² /h	20 m ² /h 33 m ² /h
Quality (8 pass, 600 × 1200 dpi)	13 m ² /h	14 m ² /h 25 m ² /h	15 m ² /h 27 m ² /h
High Quality (12 pass, 600 × 1200 dpi)	9 m ² /h	10 m ² /h 18 m ² /h	11 m ² /h 19 m ² /h
Print Resolution	Up to 1200 dpi	Up to 1200 dpi	Up to 1200 dpi
Ink Specifications			
Ink Type (Ricoh approved)	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
Colors	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat
Ink Consumption	7 ml/m ²	7 ml/m ²	7 ml/m ²
Main ink tank capacity	1 l with level sensor	1 l with level sensor	1 l with level sensor

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Print Technology	Multi drop technology	Multi drop technology	Multi drop technology
Print Head	Ricoh Gen. 5 / 2-4 printheads	Ricoh Gen. 5 / 2-8 printheads	Ricoh Gen. 5 / 2-8 printheads
Printbed	1600 mm	2500 mm	3200 mm
Hybrid	Conveyor vacuum belt with 3 zones and startbar for media positioning	Conveyor vacuum belt with 5 zones and startbar for media positioning	Conveyor vacuum belt with 5 zones and startbar for media positioning
Dimensions (height × width × depth)	1310 × 3100 × 870 mm (without PC arm and media table)	1350 × 4850 × 1030 mm (without PC arm and media table)	1450 × 5480 × 1420 mm (without PC arm and media table)
Weight	900 kg	1300 kg	2460 kg
Power Consumption	4 kw	6 kw	6 kw
Nozzles / drop size	1280 nozzles / 7-21 pl grayscale	1280 nozzles / 7-21 pl grayscale	1280 nozzles / 7-21 pl grayscale
Media Specifications			
Maximum Media Width	1600 mm	2500 mm	3200 mm
Maximum Print Width	1600 mm	2500 mm	3200 mm
Media Type	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)
Media Thickness	Maximum 50 mm	Maximum 50 mm	Maximum 50 mm
Media Drying System	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)
Printing Speeds	Single row of print heads	Single Double row print heads	Single Double row print heads
Draft (4 pass, 600 × 600 dpi)	23 m ² /h	29 m ² /h 44 m ² /h	31 m ² /h 50 m ² /h
Production (6 pass, 600 × 600 dpi)	18 m ² /h	21 m ² /h 35 m ² /h	23 m ² /h 38 m ² /h
Quality (8 pass, 600 × 600 dpi)	14 m ² /h	16 m ² /h 29 m ² /h	17 m ² /h 31 m ² /h
High Quality (9 pass, 600 × 900 dpi)	12 m ² /h	14 m ² /h 25 m ² /h	15 m ² /h 27 m ² /h
Print Resolution	Up to 1200 dpi	Up to 1200 dpi	Up to 1200 dpi
Ink Specifications			
Ink Type (Ricoh approved)	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
Colors	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat	CMYK + LC + LM + White + Clear Coat
Ink Consumption	10 ml/m ²	10 ml/m ²	10 ml/m ²
Main ink tank capacity	1 l with level sensor	1 l with level sensor	1 l with level sensor