

SIGNRACER

PRECISION MEETS PERFORMANCE

INDUSTRIAL HYBRID UV LED PRINTER

SIGNRACER 2500

Wide-format 2500 mm hybrid for rigid and roll media with 5-zone vacuum belt and belt-driven carriage control.



Hybrid system for rigid boards and roll media up to 2500 mm.

Up to 47 m²/h draft throughput in double-row configuration.

5-zone vacuum conveyor belt with start bar positioning.

WIDE-FORMAT HYBRID PRODUCTION

The SIGNRACER 2500 is a hybrid UV printer for qualified roll and rigid media up to 2500 mm wide. The platform supports packaging, signage, display, and specialty-substrate workflows after application testing.

A 5-zone vacuum conveyor belt and start-bar positioning system support media transport and setup on large boards. The current product specification lists 2 to 8 Ricoh Gen. 6 printheads with 5-15 pl grayscale drops; approve detail, gradients, registration, and usable speed in the selected mode.



INDUSTRIAL FIT SNAPSHOT

1 µm Positioning

Encoder feedback with 1-micron measurement resolution supports carriage positioning across the full 2500 mm print width.

Up to 47 m²/h Draft Speed

Double-row draft mode provides the stated maximum throughput; approve quality and usable speed in the selected production mode.

50 mm (flatbed) or roll

Print on rigid sheets or switch to roll media with the hybrid conveyor system.

BUILT FOR VERSATILE HYBRID PRODUCTION



SIGNRACER 2500 Platform

Wide-format 2500 mm hybrid for rigid and roll media with 5-zone vacuum belt and belt-driven carriage control.



Archived GREENGUARD Gold Records

Archived certificate records for SR-200+ and SR-100 HD cover periods ending 25 January 2025. Confirm current certification, the exact ink family, and project scope before specification.



Scalable Printhead Configuration

The double-row Ricoh Gen. 6 configuration reaches up to 47 m²/h in draft mode.

KEY CAPABILITIES

5-Zone Vacuum Belt

Independent vacuum zones hold rigid sheets and flexible media flat across the full 2500 mm width without edge lift.

Rigid and Roll in One Platform

Switch between rigid substrates and roll media on the same machine with minimal changeover time.

Up to 47 m²/h Draft Throughput

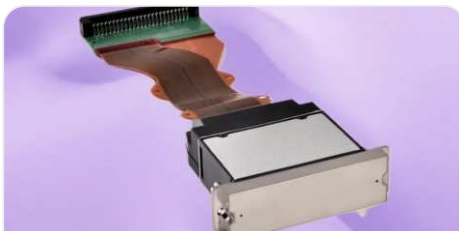
The double-row configuration reaches up to 47 m²/h in draft mode. Approve quality and usable speed on the intended media.

CORE TECHNOLOGY BEHIND 2500 PERFORMANCE



Belt-Driven Carriage

Belt-driven carriage motion at up to 1.2 m/s supports production throughput while the 5-zone vacuum conveyor belt keeps media transport stable.



Ricoh Gen. 6 Print Engine

Industrial-grade heads with 5-15 pl grayscale, scalable from 2 to 8 heads for throughput and quality flexibility.



Triple-Row UV LED Curing

IST INTECH system with single, double, or triple row options up to 16 W/cm² for cure tuning across substrates.



SR-100 HD for Multi-Purpose Production

Published SR-100 HD data reports solvent and scratch resistance for mixed rigid and roll-media work.



SR-200+ for High-Adhesion Industrial Parts

Published SR-200+ data positions the ink for adhesion-focused industrial work with Orange and Violet gamut options.



PREMIUMFLEX+ for Flexible Materials

Published PREMIUMFLEX+ data reports flexibility for leather-like and soft substrates, including Bally Test durability above 50,000 cycles.

HIGH-FIT APPLICATIONS FOR SIGNRACER 2500



Wide-Format Signage and Boards

Print directly on 2500 mm wide rigid boards, aludibond, and composite panels for large-format signage.



PVC Banners and Roll Media

Switch to roll mode on the vacuum conveyor belt for wide PVC banners, backlit film, and compatible flexible substrates.



Furniture and Interior Panels

Direct-to-substrate decoration on wood, MDF, and composite panels up to 2500 mm wide for furniture production.



Leather Roll Processing

Use the conveyor workflow for leather hides and wide flexible media.



Oversized Rigid Boards

Optional table extensions handle boards longer than the bed for oversized architectural and industrial panels.



Packaging and Display Production

High-resolution printing on corrugated, folding carton, and rigid display materials for retail and trade shows.

SIGNRACER 2500

 Print Engine

PRINT TECHNOLOGY
UV-Cured Industrial Inkjet

PRINTHEADS / COUNT
Ricoh Gen. 6, 2 to 8

NOZZLES / DROP SIZE
40 kHz: 1280 nozzles | 5-15 pl grayscale

PRINT RESOLUTION
635 x 900 dpi

CARRIAGE DRIVE / SPEED
Belt-driven carriage, up to 1.2 m/s

 Media & Bed System

PRINT WIDTH
2500 mm

PRINTBED TYPE
Vacuum conveyor belt with retractable alignment bar

MAX MEDIA WIDTH / PRINT WIDTH
2500 mm / 2500 mm

MAX MEDIA THICKNESS
Maximum 100 mm

SUPPORTED MEDIA
PVC, aluminium composite, acrylic, wood, MDF, glass, PET-G, composite panels, leather, corrugated board, mesh, vinyl, foam board; validate production media before approval

 UV Curing System

CURING TECHNOLOGY
LED UV curing with variable power levels

CURING WIDTH / POWER
Single: 90 mm / 14 W/cm²
Double: 180 mm / 14 W/cm²
Triple: 210 mm / 16 W/cm²

 Ink Solution

INK CONFIGURATION 1
CMYK + White

INK CONFIGURATION 2
CMYK + LC + LM + LK + White

INK CONFIGURATION 3
CMYK + Orange + Violet + White + Varnish

INK CONSUMPTION
8 ml/m²

 Electrical & Physical

POWER CONSUMPTION
6 kW

DIMENSIONS (L X W X H)
4850 x 1030 x 1350 mm

WEIGHT
1300 kg

SHIPPING CRATE (L x W x H)
5100 x 1120 x 1800 mm

SHIPPING WEIGHT
1580 kg (gross) / 280 kg (crate)

 Software & Documentation

RIP SOFTWARE
Caldera, Ergosoft

CONFORMITY MARKING
CE marking

CONSUMABLES (NOT COVERED)
Printheads, inks, filters and other wear parts

PRINT SPEED BY CONFIGURATION

CONFIGURATION	4-PASS	6-PASS	9-PASS
SINGLE ROW	27	22	15
DOUBLE ROW	47	39	28

Validate the 2500 on Your Media

Share your materials, artwork, and quality targets for a focused test-print and rollout recommendation.



Scan for the live product page

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