SIGNRACER

PRECISION MEETS PERFORMANCE

INDUSTRIAL HYBRID UV LED PRINTER

SIGNRACER 3200

Super-wide 3200 mm hybrid for high-volume production on rigid and roll media with linear motor precision.



- 3200 mm print width for oversized rigid and roll media.
- Up to 69 m²/h draft throughput in triple-row configuration.
- Vacuum conveyor belt with retractable alignment bar.

SUPER-WIDE HYBRID PRODUCTION

The SIGNRACER 3200 is a 3200 mm hybrid printer for qualified rigid-sheet and roll-media workflows such as large signage, retail displays, interior panels, packaging prototypes, and backlit graphics.

The linear-motor carriage is specified up to 1.2 m/s. Paired with Ricoh Gen. 6 printheads, it supports grayscale output and configurable colour workflows; approve detail, registration, colour, and usable speed in the selected production mode.



INDUSTRIAL FIT SNAPSHOT

1 µm Encoder Resolution

Encoder feedback with 1-micron measurement resolution supports carriage positioning across the 3200 mm print width.

Up to 69 m²/h Draft Speed

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

100 mm Media Thickness

The platform accepts media up to 100 mm thick; validate transport, clearance, flatness, and hold-down on the actual substrate.

BUILT FOR HIGH-VOLUME HYBRID PRODUCTION



SIGNRACER 3200 Platform

Super-wide 3200 mm hybrid for high-volume production on rigid and roll media with linear motor precision.



GREENGUARD Gold-Certified Inks

SR-200+, SR-100 HD and PremiumFlex+ hold GREENGUARD Gold certification for low chemical emissions into indoor air; see each ink's certificate for scope and conditions.



Scalable Printhead Configuration

The triple-row Ricoh Gen. 6 configuration reaches up to 69 m²/h in draft mode.

KEY CAPABILITIES

3200 mm Hybrid Conveyor

The vacuum conveyor supports qualified rigid panels and roll media on the same platform. Confirm handling requirements for each media family.

Up to 69 m²/h Draft Throughput

The triple-row configuration reaches up to 69 m²/h in draft mode. Approve quality and usable speed in the selected production mode.

Super-Wide Positioning

Linear-motor drive with 1-micron encoder measurement resolution supports carriage positioning across the 3200 mm print width.

CORE TECHNOLOGY BEHIND 3200 PERFORMANCE



Linear Motor + 1-Micron Encoder

Direct electromagnetic carriage motion at 1.2 m/s replaces belt dependency for demanding large-format detail work.



Ricoh Gen. 6 Print Engine

Ricoh Gen. 6 heads provide 5-15 pl grayscale drops; available head counts and ink channels depend on the selected configuration.



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.

INK WORKFLOWS BY SUBSTRATE AND DURABILITY TARGET



SR-100 HD for Multi-Purpose Production

General-purpose SR-100 HD combines scratch and solvent resistance with GREENGUARD Gold certification for low chemical emissions; its certificate is restricted to decorative wall applications.



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 3200



Large-Format Signage and Displays

Print directly on 3200 mm wide rigid panels, aludibond, and composite boards for oversized signage production.



Wide Banners and Roll Media

The 3200 mm hybrid platform combines linear-motor carriage control with a vacuum conveyor for wide banners and compatible flexible media.



Furniture and Architectural Panels

Direct decoration on oversized wood, MDF, and composite panels for furniture, wall cladding, and interiors.



Leather Roll Processing

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



Oversized Rigid Boards

Optional table extensions handle boards beyond the bed for extra-long architectural and industrial panels.



Window Graphics and Architectural Film

Hybrid belt and roll workflows handle wide adhesive and frosted films for large storefront graphics and architectural privacy projects.

SIGNRACER 3200

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
Linear Motor, up to 1.2 m/s

Media & Bed System

PRINT WIDTH
3200 mm

PRINTBED TYPE
Vacuum conveyor belt with retractable alignment bar

MAX MEDIA WIDTH / PRINT WIDTH
3200 mm / 3200 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)
5480 × 1420 × 1450 mm

WEIGHT
2460 kg

SHIPPING CRATE (L × W × H)
5800 × 1810 × 1760 mm

SHIPPING WEIGHT
3090 kg (gross) / 630 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	28	23	16
DOUBLE ROW	49	41	30
TRIPLE ROW	69	58	42

Validate the 3200 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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