

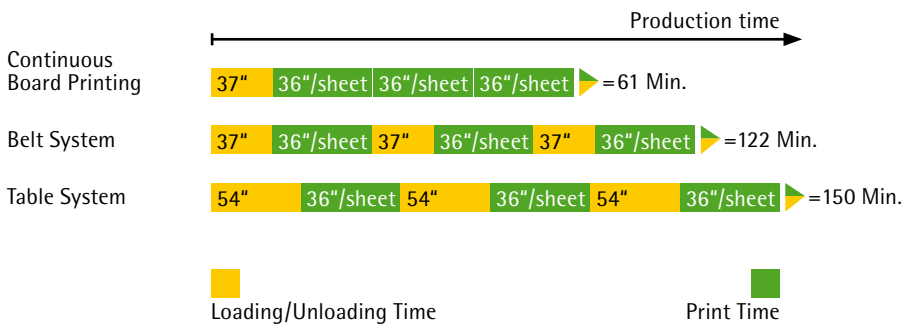
Rho 800 Presto Rho 800 HS

Continuous UV flatbed printer with unrivalled production efficiency

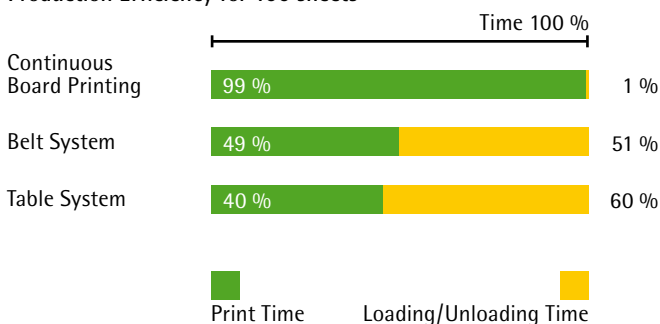


The world's first continuous industrial UV flatbed printer now provides even faster print output: the new Rho 800 HS (High Speed) increases production by 80%. Other innovative developments, particularly the revolutionary Quadro Array technology along with outstanding workflow, have set a new standard in high-speed production. The combination of a compact, robust industrial design with the facility for the continuous, uninterrupted printing of any number of boards means that the Rho 800 Presto and Rho 800 HS provide a previously unattainable level of production efficiency and quality in industrial printing.

Production Time for 100 sheets



Production Efficiency for 100 sheets



The Rho 800 series features the following benefits and innovations:

- Rho 800 HS: twice the number of nozzles, i.e. 2048 nozzles per colour
- Exceptional production output of up to 216 boards per hour (125x80 cm/4x2,6 ft.)
- Printing of light colours without loss of speed
- Mechanism for continuous board feeding
- Mechanical front stops allow parallel printing of boards
- Perfect print registration on long boards due to mechanical front stops
- Innovative Quadro Array technology combines the highest print speed with the finest print quality
- Highest reliability in the market (24/7 production)

Users of the Rho 800 series will be able to realise increased levels of profit as a result of the faster and more cost-effective completion of print orders, releasing extra capacity for additional business!



Technical Data

General specifications

Dimensions:

Width: 585 cm (230 in.)
Length with roll tables: 460 cm (181 in.)
Length without roll tables: 190 cm (75 in.)
Height: 195 cm (77 in.)

Weight:

Approx. 3.500 kg (7.700 lb)

Safety standards:

Complies with currently valid guidelines

Printing specifications

Printing system:

Patented Durst flatbed system with Quadro® array technology for the finest quality and the highest speed.

Resolution:

600 dpi

Colours:

Standard: CMYK
Optional: Light Cyan and Light Magenta, White, clear varnish for special effects, spot colours (on request).

Inks:

UV-curable pigment inks for interior and exterior applications.

Ink supply:

Integrated ink tanks with 10 litre capacity per ink, refillable during the printing process. The refill inks are in 5 litre, non-returnable containers, easily disposed in collapsed condition, thus avoiding pollution to the machine and the environment.

Software/RIP:

Durst Rho Linux software for very fast processing with minimum storage capacity on the hard disk. External Caldera RIP Server (GrandRip+)

Productivity:

- Rho 800 Presto:
up to 120 sheets/hour
(125 x 80 cm/4 x 2,6 ft.) with Continuous Board Printing Option
- Rho 800 HS:
up to 216 sheets/hour
(125 x 80 cm/4 x 2,6 ft.) with Continuous Board Printing Option

Media specifications

Media types:

Wide range of uncoated and coated materials – also textured surfaces such as hard foam sheets, soft foam sheets, aluminium, acrylic glass, polycarbonate sheets etc.

Maximum printing width:

250 cm (8 ft.)

Maximum printing length:

Only restricted by media length

Maximum thickness:

Standard: 40 mm (1.58 in.)
Industrial Version: 70 mm (2,75 in.)

Maximum media weight on belt:

Standard: up to 50 kg (110 lb)
Industrial Version: up to 70 kg (154 lb)

Smallest sheet size:

DIN-A3 – 29.7 x 42 cm (12 x 17 in.)

Registration of materials:

Materials are registered at the leading edge by means of fibre optic sensors or alternatively by mechanical front stops. Parallel and continuous loading of sheets is optional. An encoder measures the transport sequences, ensuring utmost precision in image alignment.

Location requirements

Space requirement:

min. 8 x 6 m (26 x 20 ft.)

Maximum height:

2.400 m (8.000 ft) above sea level

Temperature range:

+15 °C to +30 °C (+59°F to 86°F)
non-condensing

Relative air humidity:

25 - 80 % non-condensing



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