

Rho 800 Presto

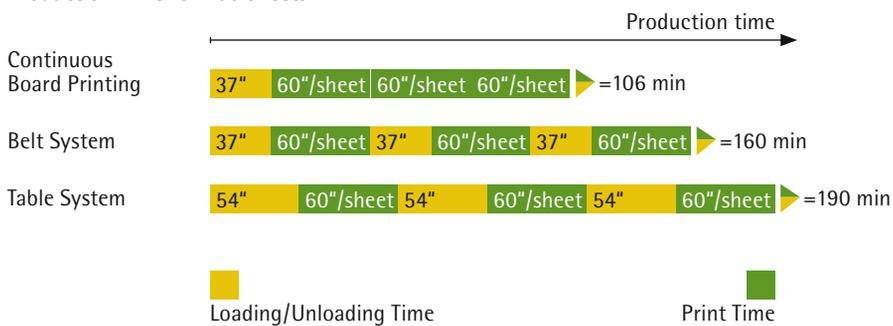
The world's first continuous board printer



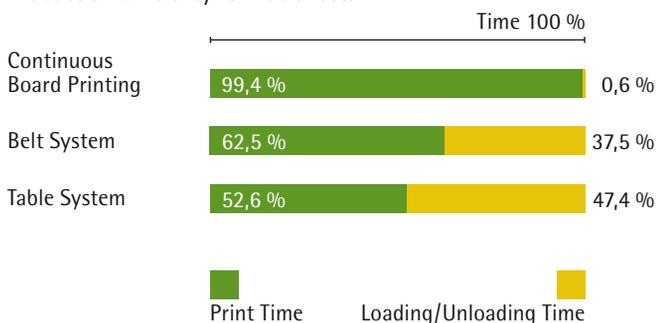
The new Durst Rho 800 Presto represents a new generation of UV flatbed printers. Innovative improvements give the new Rho 800 Presto a production output in a class of its own amongst UV flatbed printers.

The combination of a compact, robust design with the facility for the continuous printing of any number of boards, without interruption, and an unrivalled print quality, provide a previously unattainable level of productivity and quality in industrial printing.

Production Time for 100 sheets



Production Efficiency for 100 sheets



The Rho 800 Presto features the following benefits and innovations:

- Mechanism for continuous board feeding
- Mechanical front stops allow for printing boards alongside each other
- Perfect print registration on narrow boards printed across the full width
- Large print width (250 cm/8 ft.)
- Exceptional productivity, up to 120 boards/h (125 x 80 cm/4 x 2,6 ft.)
- Newly developed operating software for faster production
- Quadro® Array Technology combines the highest print speed with the finest quality
- Printing of white and light colours without loss of speed
- Highest reliability in the market allowing for 24/7 production

Users of the new Rho 800 Presto will appreciate many new or improved business opportunities. Print orders are completed more cost efficiently than previously, increased productivity provides extra capacity for additional business and, above all, increased levels of profit for your business are realized.

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:

up to 120 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

Industrial Version: up to 70 kg

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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