Rhopac 160
Corrugated Display Printer

The Rhopac 160 is the first entry level digital press for corrugated displays. The new printer allows printing houses and corrugated converters to enter the profitable corrugated display market. The Rhopac 160 is the only UV press specifically designed to print on corrugated boards as well as on a large variety of rigid and semi flexible POP materials. This, coupled with a roll to roll printing option, makes the Rhopac 160 the most versatile POP printer in the market. Furthermore, the Rhopac 160 can be a valuable tool for corrugated packaging converters by increasing customer loyalty through enabling them to offer printed samples and test marketing.

The Rhopac 160 builds on the long industrial experience of the other Rho family members. This includes Durst's own proven Quadro® Array printhead technology, which provides a print quality of the highest standard.

The reliable transport of corrugated boards, during the printing process, is guaranteed by special manual adjustable edge holders and an extra strong vacuum. It is therefore ideally suited for printing high quality displays and sample packaging. Very compact in size, the rugged construction provides excellent durability and longevity. It is also able to be upgraded with additional printing features such as Durst's world leading white ink printing and selective varnish or light colours.

Quadro®
Array
Technology

Technical Data

General specifications

Dimensions:
Width: 380 cm (150 in.)
Length: 440 cm (173 in.)
Height: 173 cm (68 in.)

Weight:
Approx. 1.700 kg (3.750 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: White, clear varnish for special effects, spot colours (on request) or light colours (light magenta and light cyan)

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 25 m²/h (270 ft²/h)

Media specifications

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

Maximum printing width:
160 cm (62 in.)

Maximum printing length:
Only restricted by media length

Maximum thickness:
Standard POP Media 40 mm (1.58 in.);
Corrugated Media 1.5 mm to 5 mm (0.06 in. to 0.2 in.)

Maximum media weight on belt:
Up to 20 kg

Smallest sheet size:
Standard POP Media DIN-A3, 29.7 x 42 cm (12 x 17 in.);
The minimum board size for corrugated media in x-direction is 90 cm (36 in.) and in y-direction 45 cm (18 in.)

Maximum Corrugated Board Warp/Bent:
2 cm (0.8 in.)

Registration of materials:
Materials are registered at the leading edge by means of fibre optic sensors. An encoder measures the transport sequences, ensuring utmost precision in image alignment.

Location requirements

Space requirement:
min. 6 x 6 m (20 x 20 ft.)

Maximum height:
2.400m (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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