Rho 750 HS
Corrugated Display Printer

The world's only UV inkjet printer dedicated for printing on corrugated is now available with 80% more productivity without loss in print quality. This is achieved by doubling the number of nozzles in the new Quadro Array 30D printhead. Also, the addition of a new fully automated corrugated feeder stacker system dramatically reduces loading times.

Ideally suited for short runs of high quality displays and packaging, the system prints directly onto a large variety of coated and non coated surfaces. It will even digitally print onto pre-printed media, whilst white under print, special effects varnish and direct printing to single faced corrugated, is all possible.

The reliable transport of corrugated boards during the printing process is achieved through special edge holders and an extra strong vacuum provided by stronger vacuum pumps and vacuum chambers that are adjusted according to the media size. Together with the full automation option, this guarantees highest efficiency and high output. The new Rho is very compact in size, and is built to Durst's exacting standards of manufacture, providing outstanding reliability and durability throughout its long life.

Designed for corrugated converters and POP-Display specialists, the new Rho 750 HS Corrugated will enable users to turn around short run displays and packaging even faster, providing a better service for their customers and increased profitability for the company.

Technical Data

General specifications

Dimensions:
Width: 540 cm (215 in.)
Length with roll tables: 460 cm (181 in.)
Length with feeder stacker: 540 cm (215 in.)
Length without roll tables or feeder stacker:
190 cm (75 in.)
Height: 195 cm (77 in.)

Weight:
Approx. 3.300 kg (7.300 lb)

Safety standards:
Complies with currently valid guidelines

Printing specifications

Printing system:
Patented Durst flatbed system with Quadro®
Array 30D technology for the finest quality and
the highest speed

Resolution:
600 dpi

Colours:
CMYK, Light Cyan, Light Magenta, Process
Colour Addition (PCA) Orange and Violet or
Orange and Green, White, Clear Varnish for
special effects, spot colours (on request)

Inks:
UV-curable pigment inks for paper and board
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 of 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 180m² per hour on full width at
continuous production

Media specifications

Media types:
Wide range of uncoated and coated materials – also textured surfaces such as single face
corrugated and permanent POP media

Maximum printing width:
Manual loading: 2050mm (80 in.)
Automation: 2000mm (78 in.)

Maximum printing length:
Manual loading: Only restricted by media length
Automation: Standard 1600mm (63 in.)
Optional 3200 mm (125 in.)

Maximum thickness:
Flat rigid boards: 40mm (1.58 in.)
Corrugated: 8mm (0.31 in.)

Maximum media weight on belt:
up to 50 kg

Smallest sheet size:
Manual operation: DIN-A3-29.7 x 42cm
(12 x 17 in.)
Automated: 1100 mm width x 740 mm length
(44 x 30 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 with image alignment.

Location requirements

Space requirement:
Roll tables min. 8 x 6 m (26 x20ft.)
Automation min. 10 x 8 m (33 x 26ft.)

Maximum height:
2.400m (8.000ft) 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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