

Rho 160R

Roll-to-Roll UV Inkjet-Printer

Durst introduces a new, compact high speed roll to roll UV inkjet printer to the market leading Rho range of UV inkjet printers. The Rho 160R is engineered with the same tried and tested technology as other members of the Rho family and offers exceptional productivity, quality and flexibility. Designed for use with both Rho Roll inks and 3M UV Premium inks, the Rho 160R provides extremely durable and vibrant images for indoor and outdoor applications, which are covered by an MCS warranty for up to 5 years!

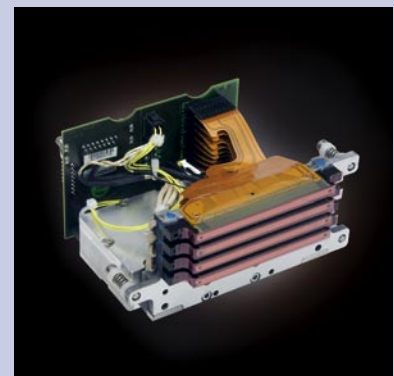


Quadro Array Technology

Durst's own revolutionary Quadro Array printhead technology achieves the combination of the highest productivity with the finest image quality and is featured in all the Durst Rho UV inkjets.

Advantages of the Rho 160R:

- High output speed – up to 65 m²/hr (700 sq ft/hr) in 2 Pass Mode at 400 dpi
- 400/600 dpi (addressable)
- Maximum printing width 157,5 cm (62 in.)
- Maximum printing length – unlimited
- Durst Rho 160R proprietary user software and RIP based on Linux on-the-fly image processing (scaling, pixel interpolation, corrections, cropping, paneling, dithering)
- Unattended printing 24/7
- Scotchprint® Graphics brand eligibility
- Very good ink adhesion
- High flexibility of the ink and conformability of the inks around rivets and corrugations
- Fast media changing with min. media waste
- 4-color CMYK UV-Inkjet Printing System with Upgrade options for 2 spot colors
- Eligible to



Technical Data

General specifications

Power supply:

230/400 VAC \pm 10 %, 3 phase + N/50 Hz

Power consumption:

Maximum: 13 KVA; average: 7 KVA

Max. amperage per phase:

208 VAC: 32 amp

230/400 VAC: 17 amp

Dimensions:

Width: approx. 505 cm (199 in.)

Length: approx. 201 cm (79 in.)

Height: approx. 212 cm (83 in.)

Space requirement:

Approx. 7 x 5 m (23 x 16 ft.)

Weight:

approx. 2000 kg (4400 lb)

Safety standards:

GS, CB, NRTL

Printing specifications

Printing system:

Patented Durst Roll to Roll transport system with Quadro® Array-Technology

Resolution:

400/600 dpi (adressable)

800/1200 dpi (apparent)

Finish:

no finish necessary

Colours:

Rho 160R: CMYK

Inks:

3M UV 2700 Premium Ink, vibrant UV-curing, pigmented inks for indoor and outdoor applications Solvent free (low VOC).

The Rho 160R can also be ordered with the alternative Durst Rho Roll Ink.

Ink supply:

Continuous ink supply with 10-litre ink reservoirs, refillable during operation for large print processes. Refill ink in 5-litre non-returnable containers, easy disposal in collapsed condition, avoiding pollution to the machine and the environment.

Software/RIP:

Durst Rho 160R user software and RIP based on LINUX with on-the-fly image processing for very fast processing with minimum storage capacity occupation on the hard disk.

Productivity

User selectable in 5 passes: pass 2 to pass 6

Rho 160R-8:

Up to approx. 26 m²/h (280 sq.ft./h) in 2 Pass

Mode at 400 dpi

Rho 160R-16:

Up to: 65 m²/h (700 sq.ft./h) in 2 Pass Mode at

400 dpi

Printing modes:

Colour, gloss/matte, black and white, "backlit"

Front-end workstation

Type:

LINUX Workstation

Operating system:

Pre-installed RedHat Enterprise Linux WS EM64T

Monitor:

HP TFT 19" Monitor L1955

Network Interface:

Ethernet 100/1000 Mbit

Printing specifications

Media types:

Wide range of all uncoated and coated 3M media types and other media types with similar characteristics.

Maximum printing width:

Up to 1575 mm (62 in.) with border and no edge to edge option.

Max media weight:

Limited only by maximum outer diameter of supply roll and/or max. weight.

- Lower position 1: approx. 35 cm up to 200 kg (445 lb. with pneumatic axle (media feeding side) and with optional accessory at the take up side Rho Axle Pneu 76 74 to 82 mm (2.9 to 3.2 in.)

- Upper position:

approx. 25 cm (9.8 in.) up to 35 kg (77 lb.)

Max. medium thickness:

0.15 mm up to 2.5 mm

Medium cutoff:

Approx. 40 cm (16 in.) at the leading edge

Media cutting:

Mechanical guide for manual cutting of the roll

Location requirements:

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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