# Rho 320R
## The new quality standard for industrial roll-to-roll printing

Durst is pleased to introduce the new Rho 320R UV inkjet printer that establishes a new quality standard for industrial roll-to-roll printing. Precision components developed and perfected by Durst, such as the innovative Quadro® Array printhead technology and the new print carriage concept which includes a magnetic linear drive system, are important features of the Rho 320R. The unique and reliable high quality white printing option, the light colour option and the enhanced user software with an integrated maintenance program further support this new quality standard.

An important feature in the overall quality standard of the Rho 320R is the environmentally friendly, low odour Rho Roll Ink which offers a wide colour gamut and high colour density. It enables economic printing of offset quality particularly for large format indoor applications. Demanding and profitable applications such as lightbox displays, illuminated posters, window graphics, POP displays and advertising textiles can be achieved with the Rho 320R in a previously unattainable quality.

As with all Rho systems, Durst offers with the Rho 320R the highest reliability, the capability of 24/7 production and best service support in the market.



Quadro®
Array
Technology

# Technical Data

## General specifications

**Dimensions:**
Width: 680 cm (22.30 ft.)
Depth: 167 cm (5.47 ft.)
Height: 198 cm (6.49 ft.)

**Weight:**
approx. 4500 kg (9900 lb.)

**Safety standards:**
Complies with currently valid
guidelines

## Printing specifications

**Printing system:**
Roll to Roll transport system with
Quadro® Array Technology

**Resolution:**
600 dpi

**Colours**
Standard: CMYK
Optional: Light Cyan and Light
Magenta, White, clear varnish,
selected spot colours (on request)

**Inks:**
Rho Roll Ink - UV-curable pigment
inks for indoor and outdoor
applications. The Rho Roll Ink,
pigments classified at Blue Wool
scale 8. The inks are VOC free.

**Ink supply:**
Integrated ink tanks with 10 litre
capacity per colour, 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 Touch Screen Linux
Software for very fast processing
with minimum storage capacity on
the hard disk. External Caldera RIP
Server with  GrandRip+ Software

**Productivity:**
Up to 130m²/hour
(1400 sq.ft./hour) - continuous
printing

## Media specifications

**Media types:**
Wide range of uncoated and
coated roll media types like
bannermedia, Vinyl, tarpaulin,
truck-banner, polyester, textiles,
canvas, paper, self-adhesive PVC,
PVC/PA-transparent media types,
Mesh etc.

**Maximum printing width:**
320 cm (10.5 ft.)

**Max. printing length:**
Only restricted by media length

**Maximum thickness:**
2 mm (depending on media)

**Max. roll diameter:**
450 mm (17.7 in.) outside diameter

**Max. roll weight:**
approx. 300 kg (661 lb.)

## Ambient conditions:

**Space requirement:**
approx. 9 x 9 m (30 x 30 ft.)

**Max. sea level of installation:**
2400 m above sea level (8000 ft.)

**Max. ambient temperature:**
+15 °C to +30 °C (+59°F to 86°F)

**Max. humidity:**
25 - 80 %, not condensing

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into Durst products. Illustrations and
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