EN

Rho 162 TS Plus
Roll-to-Roll UV Inkjet-Printer For Traffic Signs Application

The Rho 162 TS is a roll to roll inkjet printer designed for traffic signs applications using specifically developed UV inks by 3M.
Whether you print directly onto 3M refective Sheeting roll media the printer offers high quality and flexibility, achieving certified, highly reflective traffic signs owing to Durst's unique media surface treatment system. Designed for the use of 3M UV Ink Series 8800, the Rho 162 TS can print Traffic Signs with a durability of 12 years MCS warranty, while meeting key requirements in terms of retro-reflectivity and color boxes as per the Traffic Signs Regulations, reducing significantly cycle time and production workflow steps.

Advantages of the Rho 162 TS

- Direct Digital UV Printing System for producing long lasting Highway Traffic Signs & general traffic signs
- Roll-to-roll printing
- Designed for printing on 3M refective Sheeting
- Meets the European Traffic Signs Standard by 3M UV 8800 Ink Series meeting European Traffic Signs Regulations
- 12 years 3M MCS warranty – durability, reflectivity, color boxes
- Offers digital workflow for economical printing of one off/low quantity special traffic signs
- Easy operation with Durst's proprietary software based on Linux
- High reliable 24/7 printing
- Fast media change with minimum media waste
- Maximum printing width 157.5 cm (62 in.)
- Maximum printing length – limited by roll length
- Unattended printing

Technical Data

General specifications

Power Supply:
120/208 VAC +/- ,10%, 3 phase + PE, 12 KVA, 60/50 Hz, max. 32 A per phase
230/400 VAC +/-10%, 3 phase + N + PE, 50 Hz, 15 KVA, max. 25 A per phase

Power Consumption:
Maximum: 15 KVA, average 8 KVA

Dimension:
Wdith: approx. 380 cm (152 in.)
Length: 201 cm (79 in.)
Height: 173 cm (70 in.)

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

Weight:
Approx. 2000 kg (4400 lb)

Safety Standards:
according to European Maschine Directive 26/2009

Quadro Array Technology

Printing specifications

Printing system:
Patented Durst Roll to Roll transport system with Quadro Array Technology
Patented Durst media surface treatment system

Resolution:
400 x 600 dpi (addressable)

Colors:
CRYK

Printing modes:
Color, CMYK Workflow,
Backlit, Glossy, Matte

Photorealistic printing:
based on the color gamut of the 3M UV 8800 Ink series

Inks:
3M UV 8800 series, designed to match the traffic sign color boxes

Ink supply:
Continuous ink supply with 10-litre ink reservoirs, refillable during operation for large print processes. Refill ink in 5-litre or 1,5 liter non-returnable containers, easy disposal in collapsed condition, avoiding pollution to the machine and the environment.

Software/RIP:
Durst Rho user software, based on Linux
RIP Workstation with Caldera CopyRip

Productivity:
12 sq.mtr. (129 sq.ft) in pass 3

Front end workstation:
HP Linux Workstation

Operating System:
Pre-installed RedHat Enterprise Linux WS EM64T

Monitor:
TFT Monitor

Network Interface:
Ethernet 100/1000 Mbit

Printing specifications

Media types:
- 3M Sheeting HIP 3930
- Sheeting DG3 4090
- 3430 Sheeting

Maximum printing width:
Up to 1575 mm (62 in.) with border and no edge to edge option.

Media weight:
Max. 150 kg (330 lb.) with pneumatic axles for the media feeding and take-up unit,
Rho 162 TS Axle Pneu 76, 74 to 82 mm (2.9 to 3.2 in.)

Max. medium thickness:
Roll-to-roll version:
0,15 mm up to 2,5 mm

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

durst

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The latest technical developments are constantly being incorporated into Durst products. Illustrations and descriptions are therefore subject to modification.

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