

# 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 reflective 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 reflective 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:

Width: 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



## 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

The Durst logo, consisting of a stylized 'd' in blue and 'urst' in a lighter blue, with a small graphic of three colored squares (blue, orange, green) above the 'd'.

## Durst Phototechnik AG Large Format Printing

Julius-Durst-Strasse 4  
39042 Brixen/Bressanone, Italy  
P.: +39 0472 81 01 11  
F.: +39 0472 83 09 80  
www.durst-online.com  
info@durst.it

## Durst Phototechnik Digital Technology GmbH

Julius-Durst-Strasse 11  
9900 Lienz, Austria  
P.: +43 4852 7 17 77  
F.: +43 4852 7 17 77 50  
www.durst-online.com  
info@durst-online.at



The latest technical developments are constantly  
being incorporated into Durst products. Illustrations  
and descriptions are therefore subject to modification.  
All rights reserved on images and illustrations.

Durst® is a Registered Trade Mark

Copyright Durst Phototechnik AG  
IX- EN - 03/2014