RHO 163 TS ^{US}
SERIES

THE MOST PRODUCTIVE
PRINTING SYSTEMS FOR
TRAFFIC SIGN APPLICATION

durst

RHO 163 TS SERIES —
THE LATEST DEVELOPMENT
FOR INDUSTRIAL
TRAFFIC SIGN PRODUCTION

Using specially designed 3M UV Inkjet Traffic Inks, the Rho 163 TS Series delivers highest quality and reliability, meeting traffic color specifications to produce certified highly reflective traffic signs. Printing can be done on both 3M reflective roll media and rigid media.

It meets the key requirements in terms of retro-reflectivity and color boxes as per traffic sign regulations, while significantly reducing cycle times and production workflow steps.

Component of

3M™ MCS™ Warranty

KEY BENEFITS OF THE RHO 163 TS PRINTER SERIES

> Digital UV printing system for the production of long lasting roadway & general traffic signs

> Roll-to-roll and flatbed printing

> Fast media change with minimum media waste

> Printing traffic- and custom-color simultaneously

> Meets traffic color specifications

> Up to 12 years 3M™ MCS™ warranty for traffic signs

> Digital workflow for economical printing of low volume, multi-colored, variable text traffic signs

> Ease of use with Durst's proprietary Linux based printer software

> Highest reliability in the market (24/7 production)

TECHNICAL DATA

General specifications

Dimensions:
Width: 390 cm (154 in)
Length: 105 cm (41 in)
Length with tables: 380 cm (150 in)

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

Weight:
Approx. 2,000 kg (4,400 lb)

Safety Standards:
Complies with current CE guideline

Printing specifications

Printing system:
Patented Durst Roll to Roll and Flatbed transport system with Quadro® Array Technology

Resolution:
400 x 600 dpi (addressable)

Colors:
6 colors CMYKBR

Printing modes:
CMYKBR Workflow, System designed to print traffic and custom colors simultaneously

Inks:
3M™ Piezo InkJet 8900UV Series Inks for regulated and custom color traffic applications

Ink supply:
Integrated ink tank with 2-Liter capacity per color, refillable during the printing process. The refill inks are available in 3 Liter quick connect containers, for ease of use and disposal

Software/RIP:
Durst Rho user software, based on Linux; External RIP Server optional available

Productivity:
Rho 163 TS: 25.5 m^2/h (275 sq ft/h) on 1,220 mm (48 in) wide media in high quality mode for traffic sign production
Up to 55 m^2/h (600 sq ft/h)
Rho 163 TS HS: 51 m^2/h (550 sq ft/h) on 1,220 mm (48 in) wide media in high quality mode for traffic sign production
Up to 100 m^2/h (1,100 sq ft/h)

Media specifications

Media types:
3MTM Diamond GradeTM DG3 Reflective Sheeting 4090DS Series
3MTM High Intensity Prismatic Reflective Sheeting 3930DS Series
3MTM Advanced Engineer Grade Prismatic Reflective Sheeting 7930 Series

Maximum printing width:
Up to 160 cm (63 in)

Media weight:
Roll Media: max. 150 kg (330 lb)
Boards: max. 20 kg (44 lb)

Max. medium thickness:
Roll Media: 0.15 mm up to 2.5 mm
Boards: up to 40 mm (1.57 in)

Ambient conditions

Maximum above sea level:
2,400 m (8,000 ft)

Temperature range:
+15 °C to +30 °C (+59 °F to 86 °F)

Relative air humidity:
25–80%, non-condensing

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