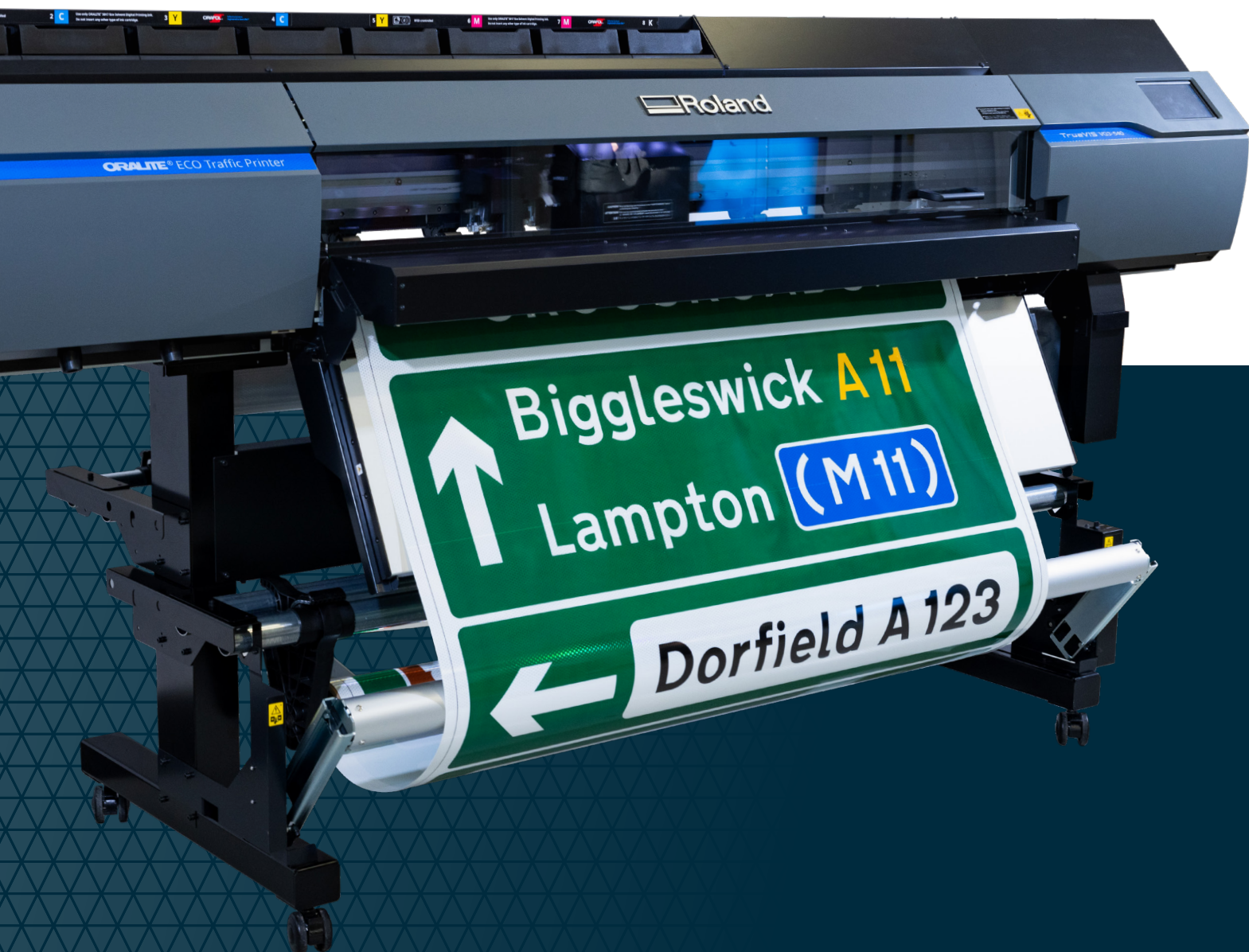# ORALITE® ECO Traffic Printer

Eco-solvent printing system for the production of temporary and permanent traffic signs

ORAFOL

ENGINEERED FOR EXCELLENCE

ORAFOL stands as a premier manufacturer of retroreflective materials, specialising additionally as a printing technology expert and service provider in the field of traffic control. In collaboration with Roland, ORAFOL presents a comprehensive solution for eco-solvent printing, positioning itself as a strong technological partner for its clientele. It consistently eco-solvent an all-encompassing service, seamlessly providing everything from materials and printers to maintenance services, to ensure a reliable and unified source for its customers.

ORALITE® ECO Traffic Printer

The ORALITE® ECO Traffic Printer is a specialised solution developed to produce both reusable temporary and permanent signs, specifically for applications in traffic safety, construction site signage, images within traffic signs, and multiple graphic uses. The ORALITE® ECO Traffic Printer is adept at producing traffic signs with extended longevity according to most common national and international standards, making it a dependable option for creating certified signage.
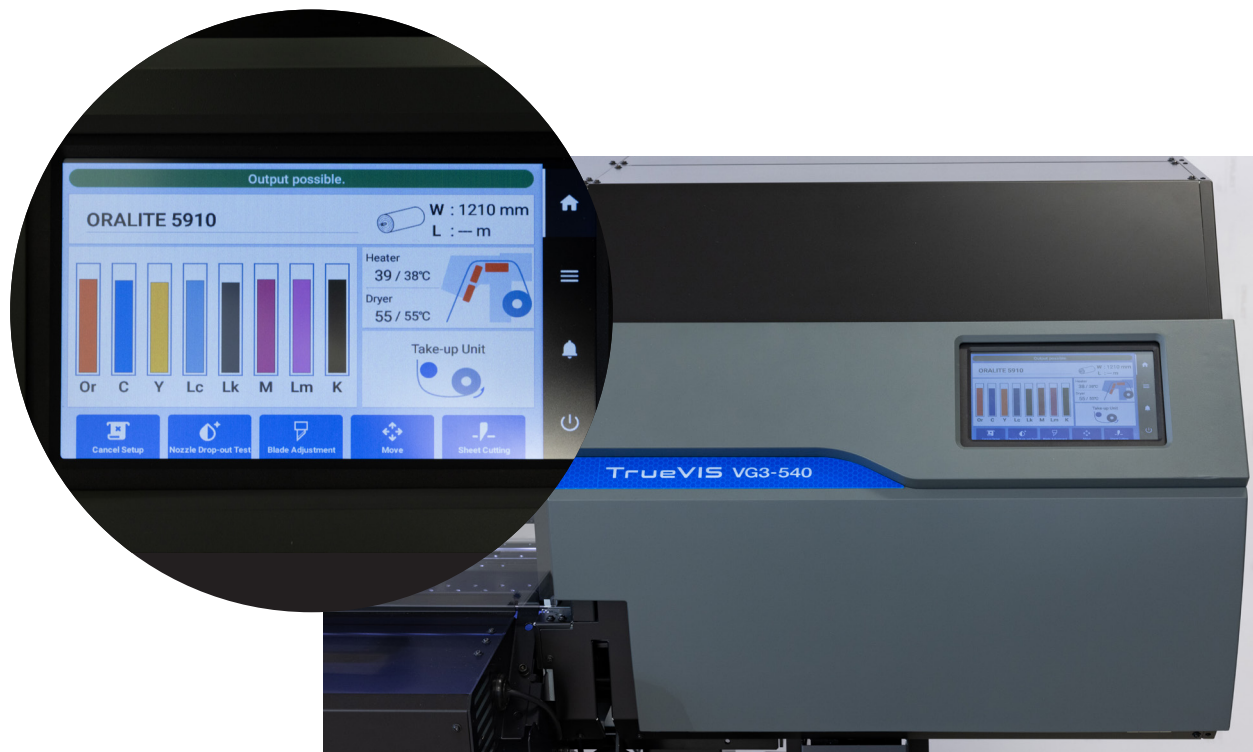
Simultaneously, it demonstrates resource efficiency by requiring fewer maintenance and service resources compared to alternative systems prevalent in the market. When coupled with the specialised support of the ORAFOL expert service, this printing system seamlessly integrates affordability, superior quality, and consistent reliability. The LCD display incorporated in the system ensures a user-friendly interface, enhancing the operational convenience of the printer.

ORALITE® 5017
ECO Solvent Digital Printing Ink

Perfectly adapted with the ORALITE® ECO Traffic Printer, these high-performance inks are engineered for optimal use on ORALITE® reflective films, meeting the demands of both permanent and temporary traffic sign applications. The specially formulated eco-solvent ink ensures low odour and trouble-free operation. It is also customisable to suit specific printing needs, offering exceptional de-cap time, nozzle open times, and rapid dry times. The inks feature highly resilient pigments, providing durability and resistance to fading, thereby ensuring vibrant and long-lasting colours. Their versatility extends to compatibility with various types of printed signs, including those requiring CE approval.

Digital printing with ORALITE® 5017
ECO Solvent Digital Printing Ink:

· Printing on various media
· Eco-friendly operation
· Low-odour
· Optimised Print-On-Demand
· Quick-drying

SPECIFICATIONS

Model	Roland DG TrueVIS VG3-540
Print Head	Roland DG FlexFire – 4 Dual-print heads
Number of Nozzles	384 nozzles/head
Maximum Resolution	Traffic Mode 900 x 900 dpi, graphics 1200 dpi
Visual Resolution	Variable drop size 3 – 21pl for high class photorealistic prints
Maximum Media Width	295 to 1.371 mm (11,7 bis 54") mm
Maximum Print Width	Max. 1.346 mm (52,9")
Printing Speed	7,5 m²/h 80 ft²/h Traffic Mode (and up to 8,2 m² 88 ft²/h in other print modes)
Media Weight	Up to 35 kg – 76,2 mm (3 ") or 50,8 mm (2 ") core diameter
Maximum Media Diameter	Up to 250 mm
Margin Size	5 mm on each edge (with rolled media, without edge guards)
Ink Type	ORALITE® 5017 Eco Solvent Digital Printing Ink
Colour	5 (CCMMYYKR) RFID controlled
Maximum ink capacity	0,5 l per colour
Media	ORALITE® 5021, ORALITE® 5710, 5810, 6710, 5910, 6910 and many more ORAFOL medias
Heater	built-in heaters & Roland DG DU-3 heater extension inklusive
Take-up Modes	Tension or loose / inside or outside printing
Interface	RJ 45 - Ethernet (100BASE-TX/1000BASE-T, auto-neogation)
User Interface	7 Zoll LCD Touchscreen controll for, media controll, maintenace, cutting, drying
Power Source	100-120/220-240 Va.c. 50/60 Hz 8.0/4.1 A
Power Consumption	Up to 1090W – Standby: 50 W - auto sleep mode (energie saving)
Operating Environment	20–32 °C (68 – 89.6 °F), 5 bis 80 % rh (no condensation)
Loudness	Operating: 63 db(A) or less, Standby: 53 db (A) or less, Office: 55 – 70 db (A)
Storage Environment	5–40 °C (41–104 °F), 20–80 % rh (no condensation)
External Dimensions	2.632 mm × 748 mm × 1.320 mm (103,7 in. x 29,5 in. x 52,0 in.)
Weight	189 kg (417 lb) (without media and ink)
Software	ErgoSoft (Version +17.2) included, computer NOT included (review recommendations)

SERVICE & WARRANTY

Print heads	1 year full coverage
Hardware	3 years Roland DG support inclusive travel and labour costs and many parts
Software	3 years ErgoSoft remote support

*Applies to Germany only: In conjunction with the low-odour Eco-Solvent Digital Printing Inks from Roland and colour profiles specially created by ORAFOL, the ORALITE® ECO Traffic Printer printing system enables the direct printing of a transparent ORALITE® PVC film to produce reusable traffic signs in accordance with the specifications of the Güteschutzgemeinschaft für Verkehrszeichen und Verkehrseinrichtungen e.V. (GVZ), meeting the requirements of the RAL quality and test conditions (RAL-GZ 628) in terms of both colour and reflective values. This applies when using the material combination of ORALITE® base film and ORALITE® transparent film approved by the GVZ.

Roland

ergosoft

www.roland.de

www.ergosoft.net

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