Roland

DIRECT-TO-FILM
PRINTER

TY-300i

DTF PRINTING FOR REAL PRODUCTION

Reliable production. Lower running costs. Exceptional results.



CONTINUOUS PRODUCTIVITY

PROVEN RELIABILITY

COLOUR CONSISTENCY

Built for Uninterrupted Output

The TY-300i delivers exceptional CMYK + White performance, with Production Modes of 10.9 m^2/h and 12.3 m^2/h.

Four white ink channels enable cartridge swaps mid-run to eliminate stoppages.

Fewer production pauses help keep output consistent across long, high-volume print jobs.

Engineered for Everyday Dependability

Constructed on Roland DG's trusted chassis and component architecture.

Automated and guided maintenance, combined with improved S-PG3 ink stability, help maintain consistent performance day-to-day.

Roland DG Connect provides live monitoring and performance insights.

Consistent Results Across Every Fabric

Multiple colour settings available for optimal balance, with vivid colours and natural gradients.

S-PG3 inks deliver a wider colour gamut, with smooth transitions, vibrant colour and strong whites.

S-PG3 inks and powder certified by OEKO-TEX® ECO PASSPORT for safe retail and apparel applications.



The TY-300i is part of Roland DG's complete DTF solution, combining RIP software, certified S-PG3 DTF inks and powder, for reliable, production-ready results. It also integrates with an optional shaker and dryer unit to automate the powder stage and sustain high-volume production.

Find out more at rolanddg.gr

Additional Features

+ The TY-300i printer integrates seamlessly into Roland DG's complete DTF workflow, ensuring reliable production from print to transfer. Every component is designed to work together for consistent colour, dependable performance, and efficient day-to-day operation.

+ Internal testing shows no fading or cracking after 50 washes, giving you stronger long-term durability than competitor models.

+ Automated maintenance sequences and a Head Nozzle Refresher tool reduce manual cleaning while maintaining consistent print quality. These features simplify operation and ensure stable, repeatable performance throughout production.

+ Roland DG Connect gives you a complete overview of your production environment, helping you monitor printer performance, schedule maintenance, and minimise downtime. With real-time insights and guided workflows, you can maintain maximum efficiency and output consistency with ease.

Technical Specs

		TY-300i
Printing method		Piezo ink-jet method
Dimensions		2,032 mm × 748 mm × 1,415 mm (80 in. x 29.5 in. x 55.8 in.)
Weight		135 kg (298 lb.)
Media	Width	182 to 762 mm (7.2 to 30 in.)
	Thickness	Max. 1.0 mm (39.3 mil) with liner for printing, Max. 0.4 mm (15.7 mil) with liner and 0.22mm (8.6 mil) without liner for cutting
	Roll outer diameter	Max. 250 mm (9.84 in.)
	Roll weight	Max. 30 kg (66.1 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8mm (2 in.)
Ink	Type	S-PG3 INK 500 ml cartridges
	Colours	Five colours (cyan, magenta, yellow, black, and white ×4 cartridges)
Printing width		Max. 736 mm (28.9 in.)
Resolution		Max. 1,200 dpi
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)
Power-saving function		Automatic sleep feature
Rated input		100-120 / 220-240 Vac 50/60 Hz 6.4/3.0 A
Power consumption	During operation	Approx. 840 W
	Sleep mode	Approx. 70 W
Acoustic noise level	During operation	63 dB (A) or less
	During standby	58 dB (A) or less
Environment	During operation	Temperature: 20 to 28°C (68 to 82.4°F), Humidity: 40 to 60% RH (no condensation)
	Not operating	Temperature: 5 to 40 °C (41 to 104°F) , Humidity: 20 to 80 % RH (no condensation)
Included items		Dedicated stand, Power cord, Media holders, Separating knife, Replacement blade, Cleaning liquid, Drain bottle, User's Manual, Software, (VersaWorks, Roland DG Connect), etc.