

## TY-300

# DTF PRINTING FOR REAL PRODUCTION

Continuous operation. Exceptional results.



### CONTINUOUS PRODUCTIVITY



Built for Uninterrupted  
Output

- ▶ Prints up to 17.48 m<sup>2</sup>/h in high-speed mode — up to 45% faster than comparable models.
- ▶ 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.

### PROVEN RELIABILITY



Engineered for Everyday  
Dependability

- ▶ Constructed on Roland DG's trusted chassis and component architecture.
- ▶ Automated and guided maintenance keep the system stable day to day.
- ▶ Roland DG Connect provides live monitoring and performance insights.

### COLOUR CONSISTENCY



Consistent Results  
Across Every Fabric

- ▶ Multiple colour settings available for optimal balance, with vivid colours and natural gradients.
- ▶ Smooth transitions and strong whites proven through internal print testing.
- ▶ S-PG2 inks and powder certified by OEKO-TEX® ECO PASSPORT for safe retail and apparel applications.



The TY-300 is part of Roland DG's complete DTF solution, combining RIP software, certified DTF inks and powder, for reliable, production-ready results.

## Additional Features

- + The TY-300 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 new 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-300   |
|-----------------------|---------------------|--|
| 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                |                     | 136 kg (300 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-PG2 INK 500 ml cartridges  |
|                       | Colours             | Five colours (cyan, magenta, yellow, black, and white x4 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. |



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