

BY-20
DIRECT-TO-FILM PRINTER

A FRESH WAY TO MAKE AN IMPACT



PROFESSIONAL
QUALITY

EASY TO USE

COMPACT &
AFFORDABLE

DTF

Professional DTF Graphics

- ▶ A complete desktop direct-to-film system for creating vivid customised apparel and accessories with no weeding required.
- ▶ Compact, powerful BY-20 DTF printer consistently delivers vibrant, detailed, high-resolution graphics and text.
- ▶ Roland DG offers all the necessary DTF system components, including the BY-20 printer, inks, powder, and transfer film (each sold separately).



Simple to Operate

- ▶ Simple operation makes it easy to achieve professional-grade results, even for those with no prior printing experience.
- ▶ After pressing the power button, all other operations – from printer setup and maintenance to sheet cutting – can be performed with the intuitive utility software.
- ▶ The BY-20 direct-to-film process requires just four steps: simply print to film, apply powder, melt powder and heat press.

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Starter Price

- ▶ While the BY-20 is a professional-level desktop DTF printer, it's priced to suit the budgets of those just getting started with apparel and accessory decoration.
- ▶ The BY-20 comes bundled with design and output software that users would normally have to purchase separately, further strengthening the value proposition.
- ▶ Free access to Roland DG Connect app allows you to gain a detailed understanding of your entire print operation while helping to keep your device running at optimum performance.

Additional Features

- + The BY-20's design lets you perform every operation – from media setup and ink loading to maintenance – at the front of the device, allowing for a streamlined workflow and easy printer placement.
- + The BY-20 features an integrated contour cutter, so in addition to its DTF printing capabilities, it can also be used to create heat transfer graphics.
- + The BY-20 direct-to-film printer can be easily integrated with popular shaker and heater units, for an automated DTF system.
- + Ethernet compatibility allows print data to be sent and maintenance instructions to be given, even from remote locations within the same network.

Technical Specs

		BY-20
Printing method		Piezo ink-jet method
Dimensions		1,069 x 617 x 622 mm (42.1 x 24.3 x 24.5 in.)
Weight		62 kg (137 lb.)
Media	Width	150 to 515 mm (5.91 to 20.2 in.)
	Thickness	Max. 1.0 mm (39.3 mil) with liner, for printing Max 0.4 mm (15.7 mil) with liner and 0.22 mm (8.6 mil) without liner, for cutting
	Roll outer diameter	Max. 150 mm (5.9 in.)
	Roll weight	Max. 6 kg (13.2 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing/cutting width		Max. 480 mm (18.89 in.)
Ink	Type	S-PG inks in 220 ml cartridges
	Colours	Cyan, Magenta, Yellow, Black, White
Resolution		Max. 1,440 dpi
Cutting speed		10 to 150 mm/s (0.39 to 5.9 in/s)
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)
Power-saving function		Automatic sleep feature
Rated input		100-240 V a.c. 50/60 Hz 2.1 A
Power consumption	During operation	Approx. 185 W
	Sleep mode	Approx. 27 W
Acoustic noise level	During operation	62 dB (A) or less
	During standby	60 dB (A) or less
Included items		Dedicated stands, power cord, media take-up unit, media holders, replacement blade for separating knife, User's Manual, software (FlexiDESIGNER VersaSTUDIO Edition, VersaWorks, Roland DG Connect), etc.