



## A Complete Direct-To-Film Solution You Can Rely On

HIGH QUALITY  
IMAGE REPRODUCTION

AFFORDABLE,  
EASY-TO-USE SOLUTION

UNSURPASSED  
RELIABILITY

### DTF

#### A Better Direct-to-Film Solution

- ▶ The BN-20D offers simple operation, outstanding print quality, and renowned Roland DG reliability. A complete DTF solution including S-PG inks, S-F164 film, and S-POWDER (each sold separately).
- ▶ Provides a simple process for customising apparel and accessories with eye-catching graphics – including detailed images and text – without weeding or masking.
- ▶ Dependable, consistent performance and low maintenance requirements minimise downtime and optimise productivity. Comes with world-class Roland DG service/support and a One-Year Trouble-Free Warranty.

### PF

#### Performance Features

- ▶ Ink delivery and recirculation advancements for increased reliability, vivid colour, and greater white opacity for printing on light- and dark-coloured garments.
- ▶ Variable dot control produces droplets of seven different sizes for superior detail, photographic reproduction, gradations, and contrast.
- ▶ Included Roland VersaWorks 6 RIP software boasts a HARLEQUIN RIP dual core engine, intuitive drag-and-drop functionality, efficient processing of complex PDF, EPS and PS files, Roland Colour System and PANTONE libraries, and other useful tools and features.



#### Superior Output

- ▶ The BN-20D Direct-to-Film solution lets you print detailed images and fine lines that would be extremely difficult to weed using vinyl. Transferring even complex designs/images and intricate text is quick and easy.
- ▶ With the garment colour acting as the background of the design, it gives a soft, natural feel to the transfer.
- ▶ Transferable onto light and dark fabrics, including cotton, polyester, and blends, denim, nylon, rayon and more to produce a wide variety of garments.

## Additional Features

- + S-F164 Film is available in 20-inch rolls to maximise productivity. The BN-20D can also accommodate various roll sizes from third-party manufacturers (ranging from as small as 150 mm up to 515 mm), giving customers the flexibility to use the solution that works best for their specific business needs.
- + With the BN-20D, making the switch from direct transfer printing to CAD-cut vinyl cutting requires just a few clicks of the mouse in VersaWorks 6. There's even a "Job Assistant" function that can be used as an added convenience feature for creating contour cut lines directly in the RIP when a PDF file is being used.

## Technical Specs

		<b>BN-20D</b>
<b>Printing method</b>		Piezoelectric inkjet / Grit roller feed
<b>Acceptable media</b>	<b>Width/thickness</b>	150 mm to 515 mm / Maximum 0.4 mm with liner and 0.22 mm without line
	<b>Media roll weight</b>	Max. weight 6 kg
	<b>Roll/core diameter</b>	Max. outer diameter 150 mm / Core diameter: 50.8 mm or 76.2 mm
<b>Ink</b>	<b>Ink technology</b>	Pigment
	<b>Capacity</b>	220 ml cartridge
	<b>Colours</b>	5 Colour – CMYK+Wh (Cyan, Magenta, Yellow, Black, White)
<b>Cutting speed/blade force</b>		10 mm/s to 150 mm/s / 30 to 300gf
<b>Connectivity</b>		USB 2.0
<b>Printing resolution</b>		Maximum 1440 dpi
<b>Power-saving function</b>		Automatic sleep feature
<b>Power supply</b>		AC 100 to 240±10 %, 1.0 A, 50/60 Hz
<b>Printer dimensions</b>		1009 W x 582 D x 293 H mm / 36 kg
<b>Included items</b>		Power cable, USB cable, blade, blade holder, User's Manual, etc.
<b>Maintenance</b>	<b>Cap top</b>	User replaceable
	<b>Cap top replacement sequence</b>	Start from utility
	<b>Wiper</b>	User replaceable
	<b>Felt wiper</b>	User replaceable
	<b>Manual cleaning</b>	Every day after the end of the working day
<b>Consumables (DTF)</b>	<b>Film</b>	S-F164 film
	<b>Powder</b>	S-Powder
	<b>Cleaning liquid</b>	CJ-CL