

ROLAND VersaStudio BN-20 Desktop Printer/Cutter



Rating: 5.0

Price:

Variant price modifier:

Price with discount:

Salesprice with discount:

USD 4,247.00

Discount:



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Manufacturer: [Roland](#)

Description Model		VersaStudio BN-20
Printing method / Cutting method		Piezoelectric inkjet / Grit roller feed
Acceptable media	Width	5.9 to 20.3 in. (150 to 515 mm)
	Thickness	Printing: Maximum 39 mil (1.0 mm) with liner
		Cutting: Maximum 16 mil (.4 mm) with liner
	Roll Weight	Maximum 13.2 lbs (6 kg)
	Roll Outer Diameter	Maximum 5.9 in (150 mm)
	Core Diameter	2 in (50.8 mm) or 3 in (76.2 mm) cores
Printing/cutting width ¹		Maximum 18.9 in (480 mm)
Ink cartridges		Type
Ink Cartridges	Type & Capacity	Roland ECO-SOL MAX or FPG Aqueous, 220 ml only
	Colors	5 Color – CMYK+Mt (Cyan, Magenta, Yellow, Black and Metallic Silver) or CMYK+Wh (Cyan, Magenta, Yellow, Black, and White)
		4 Color - CMMYK (Cyan, Magenta, Yellow, Black)
Printing resolution		Max 1440 dpi
Cutting Blade	Type	Roland CAMM-1 series cutter blade
	Blade Offset	Fixed at 0.250 mm
Cutting speed		0.4 (10 mm/s) to 5.9 in/s (150 mm/s)
Blade force		30 to 300gf
Software resolution (when cutting)		0.000984 in/step (0.025 mm/step)
Distance accuracy (when printing) ^{2,3}		Error of less than ± 0.3 % of distance traveled, or ± 0.3mm (0.012 in), whichever is greater.

Distance accuracy (when cutting) ^{2,4}		Error of less than ± 0.4 % of distance traveled, or ± 0.3 mm (0.012 in), whichever is greater.
Repetition accuracy (When cutting) ^{2,5}		± 0.004 in (± 0.1 mm) or less
Alignment accuracy for printing and cutting ^{2,6}		± 0.020 in (± 0.5 mm) or less
Alignment accuracy for printing and cutting when reloading media ^{2,7}		Error of less than ± 0.5 % of distance traveled, or ± 0.012 in (3mm), whichever is greater
Print Heater Temperature ⁸		Fixed at 95o F (35oC)
Connectivity		USB 2.0
Power-saving function		Automatic sleep feature / AC 100 to 240V \pm 10%, 1.5 A, 50/60 Hz
Power Consumption	During Operation	Approx. 90 W
	Sleep Mode	Approx. 5.5 W
Acoustic Noise Level	During Operation	62 dB (A) or less
	During Standby	42 dB (A) or less
Dimensions/Weight		39.2" W x 23" D x 11.5" H (995 W x 585 D x 291 H mm), 79.4 lbs (35 kg)
Operating Conditions	Power on	Temperature: 68o - 90o F (20 to 32o C), humidity: 35 - 80% RH (non condensing)
	Power off	Temperature: 41o - 104o F (5 to 40o C), humidity: 20 - 80% RH (non condensing)
Included Items		Power cord, USB cable, blade, blade holder, Roland software Package ⁹ , Software RIP (VersaWorks), User's Manual, etc

*1 The length of printing or cutting is subject to the limitations of the program.

*2 Using Roland specified media, loaded correctly, temperature: 25°C (77°F), humidity: 50 %RH, all pinch rollers are used, 25 mm or more for both right and left margins and 35 mm or more front margin, excluding expansion or contraction of the media, and all correction and adjustment functions of this machine have been made properly.

*3 Using Roland specified media, print travel of 1m.

*4 Using Roland specified media, cut travel of 1m.

*5 Range for assured repetition accuracy: Length 1,000 mm.

*6 Provided that media length is under 1,000 mm. Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media.

*7 Using Roland specified media, data size: 1,000 mm in the media-feed direction, 480 mm in the carriage-movement direction. No lamination. Automatic detection of crop marks at 4 points when media is reloaded. Excludes the effects of skewed movement and of expansion and contraction of the media.

*8 Warm-up is required after power up. This may require 5 to 20 minutes, depending on the operating environment. The preset temperature may fail to be reached 35°C (95°F) depending on the ambient temperature and media width.

*9 Roland Software Package includes: Windows driver, OnSupport software, utility software and R-Works design software