



VERSASTUDIO

## VERSASTUDIO BN-20 DESKTOP ECO-SOLVENT INKJET PRINTER/CUTTER

Turn your desktop into a profit center.



# Durable printing, contour cutting, metallic ink. Everything you'd never expect in a desktop inkjet.

We've taken everything that makes a Roland great and packed it into one powerful, profit-producing package. Truly affordable. Remarkably versatile. One device that can print and cut an incredible variety of jobs on a full spectrum of media. Everything from stickers, decals, labels, t-shirt transfers, photo prints, posters and small format signage to eye-popping vehicle graphics. All from your desktop.

In today's market, there's a big need for small-run, high-margin work. Custom print/cut jobs need to be performed on demand without a large investment in equipment. The VersaStudio BN-20 was designed to meet that need. With its small footprint and economical price, it is – dollar for dollar – one of the strongest inkjets in Roland's lineup.



VERSASTUDIO BN-20  
20" PRINTER/CUTTER



### Better Image Quality Through State-of-the-Art Print Technology

The VersaStudio utilizes the same advanced print technology as Roland's VersaCAMM VS series. The new piezo print head prints up to 1440 dpi using variable droplet technology with seven precise droplet sizes to optimize image quality. Roland Intelligent Pass Control Technology delivers exceptional quality prints with smoother gradations, richer density and deeper image saturation for photographic and vector output. This technology increases productivity by delivering the same print quality at higher speeds with virtually no banding in all print modes. Best of all, the print technology is built to last. The gold-plated head reduces static to prevent clogging, and a patent-pending wiper system decreases wear and tear on the print head and prolongs its life by reducing buildup.

### Three Different Ink Choices - Including Metallic Silver Ink

The BN-20 offers a choice of three different ink configurations. Four-color is the best choice for standard process color inkjet printing. Eco-SOL MAX offers fast drying time, high density, wide color gamut, scratch resistance, low cost per square foot and broad uncoated media support. MAX is virtually odorless and graphics are water and UV resistant up to 3 years outdoors\* without lamination. A CMYK aqueous ink configuration is also available. This high-density water-based ink creates brilliant colors and excellent print quality, and is ideal for short-term indoor applications.

The five color inkset – combining Metallic Silver ink with CMYK – is the premier choice for versatility and market competitiveness. This allows you to add value and sophistication to virtually any graphic on a wide range of media, including clear vinyl and films, fine art paper, canvas, and photobase paper. Metallic Silver Eco-SOL MAX ink can be printed as a spot color, or combined with CMYK to produce over 500 striking metallic and pearlescent colors. The new Metallic Texture Library adds 26 different texture fills as well.

### Print and Cut in One Integrated Workflow

The VersaStudio streamlines the production process by automatically contour cutting printed graphics, eliminating the need to reload and reposition graphics. For laminated graphics, our Quadralign® four-point optical registration system allows you to remove, laminate and reload prints for precision cutting. Quadralign automatically realigns the cutting path and compensates for skew and distortion.

### VersaStudio Media Solutions Support Core Applications

The VersaStudio BN-20 suite of media solutions is targeted at core print and print/cut applications such as labels, decals, heat transfer appliques and posters. Media in 20-inch by 50-foot rolls is available in matte and glossy calendared vinyl, glossy photo paper, and HeatSoft™ heat transfer material. All Roland media is supported by VersaWorks® media profiles, ensuring optimal output quality and color accuracy. Media can be purchased from authorized Roland dealers or through our online store.

### Easy to Load Media Feed System

The BN-20's newly simplified media feeding system is capable of accepting rolls from 20 inches down to six inches wide and automatically aligns rolls in the printer, ensuring excellent tracking of materials. Long media clamps protect the print head and prevent media curling.

### No Roland Has Ever Been Easier to Use

The BN-20 is the easiest to use of any device in the Roland printer lineup. All functionality is handled through the VersaStudio utility software. The utility software package is actively open in the Windows® taskbar and controls basic machine functions, status and calibrations. The utility software also monitors replacement of consumable parts like wipers and contour cutting blades.

### Bundled RIP and Design Software

Developed exclusively for Roland inkjet printers and printer/cutters, VersaWorks® RIP software ensures exceptional production output with unmatched ease of use. Based on the latest Adobe CPSI 3019 engine, VersaWorks includes advanced error diffusion and 16-bit rendering, and is fully compatible with Windows® 7, Vista, and XP. VersaWorks supports the Roland Color system, which accurately reproduces more than 1,000 standard colors and 512 metallic colors. With Roland@NET, free updates are automatically downloaded via the Internet.

The VersaStudio also comes with R-Works, a brand new design package created by Roland. Combining the functionality of Roland's CutStudio software with the ability to work in full color, R-Works allows you to design and edit custom graphics and easily create cut data. R-Works even includes a complete vector art library of stock designs.

### Roland OnSupport Online Production Assistance

Roland OnSupport online production monitor enables remote tracking of production so you can get a text or e-mail when ink is low or a job is finished. Roland OnSupport users can also quickly download firmware updates and important product information.

### One-Year Trouble-Free Warranty

Roland inkjets combine unbeatable performance with legendary Roland reliability. As proof, Roland offers a six-month warranty for the BN-20, along an additional six months when the printer is equipped exclusively with Roland inks and the warranty is registered within 60 days of delivery, providing a One-Year Trouble-Free Warranty."





## VERSASTUDIO BN-20 20" ECO-SOLVENT INKJET PRINTER/CUTTER



### PRODUCT HIGHLIGHTS

- Integrated print/cut capabilities
- Photorealistic printing up to 1440 dpi
- State-of-the-Art Printing Technology
- Roland Intelligent Pass Control™
- New Wiper System
- Desktop Footprint
- Choice of Three Ink Configurations
  - > 5 Color CMYK + Metallic Silver Eco-SOL MAX Ink
  - > 4 Color CMYK Eco-SOL MAX Ink
  - > 4 Color CMYK FPG Aqueous Ink
- Easy Loading Media System
- R-Works Design Software
- VersaWorks® RIP Software
- Roland OnSupport
- One-Year Trouble-Free Warranty\*\*



Roland Certified Media for the BN-20  
is available at [www.rolanddgastore.com](http://www.rolanddgastore.com)

### PRODUCT SPECIFICATIONS

MODEL		VersaStudio BN-20
Print resolution		Maximum 1440 dpi
Printing/cutting width		Maximum 18.9 in (480 mm)
Acceptable media	Width/thickness	5.9 to 20.3 in (150 to 515 mm) / Maximum 16 mil (0.4 mm) with liner and 9 mil (0.22mm) without liner
	Media roll weight	Max. weight 13.2 lbs (6 kg)
	Roll/core diameter	Max. outer diameter 8.3 in (210mm) / Core diameter: 2 in (50.8mm) or 3 in. (76.2mm)
Ink cartridges		Roland Eco-SOL MAX ink / FPG Aqueous ink
Capacity		5 cartridges: 220 ml ± 5 ml
Color		5 Colors ([Eco-SOL MAX] Cyan, Magenta, Yellow, Black, Metallic Silver) 4 Colors ([Eco-SOL MAX] Cyan, Magenta, Yellow, Black) / 4 Colors ([FPG Aqueous] Cyan, Magenta, Yellow, Black)
Cutting force/offset		30 to 300 gf / Fixed offset
Connectivity		USB 2.0
Power-saving function		Automatic sleep feature
Power supply		AC 100 to 240±10 %, 7.2 A, 50/60 Hz
Dimensions		39.2 (W) x 23 (D) x 11.5 (H) in (995 (W) x 585 (D) x 291 (H) mm)
Weight		77 lbs (35 kg)

Specifications subject to change. \*Outdoor durability is based on accelerated weather tests. Results may vary depending upon location and application. Dry times vary depending on specific media characteristics. Lamination may be required for some applications or environmental conditions. \*\*Registration within 60 days and continuous exclusive use of Roland Inks during the first year of ownership is required to qualify for the free second 6 months of limited warranty coverage. Additional Terms and Conditions apply. Roland DGA Corp. has licensed the MMP technology from the TPL Group.

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