Make a Lasting Impression with VersaSTUDIO
With a Roland VersaSTUDIO BN-20 20-inch inkjet printer/cutter, the compact printer includes everything you need to print and cut lasting impact. A complete low-cost solution, the BN-20 is a great choice for a variety of applications.

**Heat Transfers for Apparel**
Right at your desktop, you can print quality heat transfers and contour cut them into any shape for stylish results. Apply Metallic Silver ink for hundreds of striking metallic color effects.*

**POS and POP**
With the BN-20, you can produce POP displays in unique shapes and colors that attract attention and drive retail sales. Create a single POP or an entire campaign, profitably, with all the convenience of our easy-handling 220cc ink cartridges.

**Explore a World of New Right at Your Desktop**

**Print&Cut Versatility**
With a Roland VersaSTUDIO BN-20 20-inch inkjet printer/cutter, the portable compact printer includes everything you need to print and cut high-quality graphics right at your desktop. Add stunning metallic effects, perfect for producing visually engaging designs.

**Cut Vinyl Signage**
From pinstriping for vehicles and motorcycles to window signs and displays, contour cutting is essential to your production workflow. The BN-20 allows you to cut vinyl signs using a wide variety of fonts.*

**Labels and Decals for Outdoor Display**
The BN-20 comes with award-winning Roland ECO-SOL MAX ink for outdoor signs, labels and decals. Graphics are easy to produce and durable up to three years outdoors without lamination.* The BN-20 also supports water-based Roland FPG inks for exceptional indoor graphics.*

**A Complete Solution**
The BN-20 allows you to print graphics up to size A2 or 480 mm wide (18.9”), including crop marks for easy finishing. Featuring its own print management and design software, the BN-20 is a complete business solution in a box.

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* Metallic silver ink should only be used on garments as a spot color as mixing it with other colors will negatively impact washability.
* Three-year outdoor durability is based on accelerated weather tests conducted by Roland DG. Results may vary depending on the location and application. Some applications, including vehicle graphics, may require lamination.
* Ink type must be selected at the time of purchase.

Outdoor durable ink:

- 3 years

Outdoor durable ink:
Cell Phone and Laptop Wraps

Roland Print&Cut versatility allows you to print and digitally die cut graphics in one seamless workflow for custom labels and decals, including cell phone skins, laptop wraps and more.

New Applications for Desktop.

Durable Inks & Metallic Effects

Possibilities are endless. This powerful, yet high quality durable graphics right at your disposal. Display your graphics indoors or out for a great investment for your growing business.

Posters

Using Metallic Silver ink, you can add luxurious accents and premium value to posters and photographic reproductions.
Roland VersaWorks® supports Adobe® Illustrator®, CorelDRAW® and other popular design software packages. Choose from a wide variety of layout functions includes scaling, cropping, rotating, auto layout and tiling to optimize your print media. VersaWorks also features Roland Color System Libraries for accurate color matching of traditional and metallic colors, and variable data printing which allows you to efficiently create a series of signs, labels and name badges in which the text and graphics change from one print to the next.

**Roland VersaWorks System Requirements**

- **Operating system**: Windows® 7 Professional/Ultimate (32-bit), Windows® Vista/Ultimate (32-64-bit), Windows® XP Professional Service Pack 2 or later (32-bit)
- **RAM**: 2 GB or more recommended
- **Video card and monitor**: A resolution of 1280 x 1024 or more recommended
- **Free hard-disk space**: 4 GB or more recommended
- **Hand-disk file system**: NTFS format
- **Optical drive**: DVD-ROM drive

**Application software compatible with Cutting and Print&Cut**

Adobe® Illustrator®, Corel® Draw®, Adobe® Photoshop®, and Adobe® InDesign® are recommended.

**R-Works**

**Easy-To-Use Roland Design Software Included**

With R-Works, you can quickly import commercially-available stock photos or personal photos taken with a digital camera. Create original layouts with text and graphics for custom T-shirts, labels and decals.

**R-Works System Requirements**

- **Windows®**: Professional/Ultimate (32-bit), Vista/Ultimate (32-64-bit), XP Professional Service Pack 2 or later (32-bit)

### Specifications

**Printing technology**

- **Preset pixel size**: Standard

**Media**

- **Width**: 150 to 515 mm (5.9 to 20.3 in.)
- **Maximum**: 1.0 mm (39 mil)
- **Roll outer diameter**: 150 mm (5.9 in.)
- **Roll weight**: 6 kg (13.2 lbs.)
- **Core diameter**: 75.2 mm (3 in.)

**Printing/cutting width**

- **Maximum**: 480 mm (18.9 in.)

**Ink cartridges**

- **Type and capacity**: Roland ECO-SOL MAX (250 ml), Roland ECO-SOL MEDIA (250 ml), Roland ECO-SOL MEDIA (220 cc)
- **Colors**: Cyan, magenta, yellow, black, and metallic silver

**Cutting blade**

- **Type**: Roland CAMM-1 series compatible
- **Blade offset**: 0.23 mm (0 mil)
- **Cutting speed**: 10 to 150 mm/s
- **Blade force**: 50 to 500 gf

**Software resolution (when cutting)**

- **When cutting**: 0.015 mm/step

**Distance accuracy (when printing)**

- **When printing**: Error of less than ±0.5% of distance traveled, or ±0.3 mm, whichever is greater

**Distance accuracy (when cutting)**

- **When cutting**: Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater

**Repetition accuracy (when cutting)**

- **When cutting**: ±0.1 mm or less

**Alignment accuracy for printing and cutting**

- **When printing**: ±0.5 mm or less
- **When cutting**: ±0.5 mm or less

**Print resolution**

- **Highest (when printing)**: Maximum 1440 dpi

**Power consumption**

- **During operation**: Approx. 90 W
- **During standby**: 20 to 30 W

**Environmental**

- **Power on**: Temperature: 20°C (68°F) to 30°C (86°F), humidity: 35 to 85%RH (no condensation)
- **Power off**: Temperature: 5°C (41°F) to 40°C (104°F), humidity: 20 to 80%RH (no condensation)

**Dimensions / Weight**

- **Print heater**: 30 to 300 gf

**Acoustic noise level**

- **During operation**: 62 dB (A) or less
- **During standby**: 42 dB (A) or less

**Power saver**

- **On**: 45% (100 W to 28 W), 90% (28 W to 11.75 W)
- **Off**: 0.3 W (480 V to 9 V)

**Environmental**

- **Power on**: Temperature: 20°C (68°F) to 30°C (86°F), humidity: 35 to 85%RH (no condensation)
- **Power off**: Temperature: 5°C (41°F) to 40°C (104°F), humidity: 20 to 80%RH (no condensation)

**Included items**

- **Power cord, USB cable, blade holder, Roland Software Package, Software RP (Roland VersaWorks), User’s Manual, etc.**

**Options**

- **Model**: ECO-SOL MAX Media
- **Description**: ECO-SOL MAX Media

**R-Works System Requirements**

- **Computer**: USB compliant with Universal Serial Bus Specification Revision 2.0
- **Printer**: Roland CAMM-1 series compatible
- **Power supply**: Automatic sleep feature / AC 100 to 240 V, 50/60 Hz
- **Power consumption**: Approx. 90 W
- **Print resolution**: 150 to 515 mm (5.9 to 20.3 in.)

### About Metallic Silver Ink

Due to the nature of the metallic silver ink, the pigment in this ink will settle in the cartridge and ink flow system, requiring you to shake the cartridges before each use. Outdoor durability is three years for CMYK ink, one to three years for metallic silver ink, depending on the media used. Roland strongly recommends laminating for both indoor and outdoor graphics to ensure the quality of metallic silver ink.

**Printed in Japan. RDG-41690199 11 MAY A 4 P-S**


Roland pursues both environmental protection and continuous quality improvement. Under the philosophy of preserving the environment and human health, Roland is actively working to abolish organic solvents in production, to reduce and recycle waste, to reduce power use, and to purchase recycled products. Roland constantly strives to provide the most highly reliable products available.