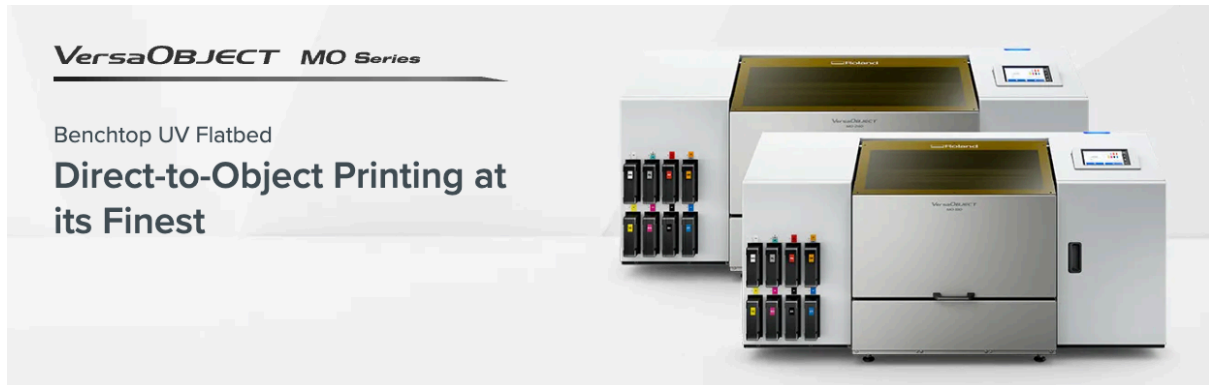


# VersaOBJECT MO Series Direct-to-Object Flatbed UV Printer



Expand your business with the high-definition, high-speed digital printing of the VersaOBJECT MO Series. These advanced UV flatbed printers give you the power to dominate a growing direct-print market through:

- **High-Definition Print:** Reproduce small letters, fine textures, gradations, and color-matched graphics with ease.
- **High Productivity:** Do more with staggered printheads, powerful UV lamps, and an A2 or A3 print bed.
- **Greater Flexibility:** Print directly on substrates and three-dimensional objects up to 8 inches thick, including cylindrical items with an optional rotary attachment.
- **Intuitive Interface:** Now with touchscreen control and more powerful, easy-to-use VersaWorks 7 RIP software.

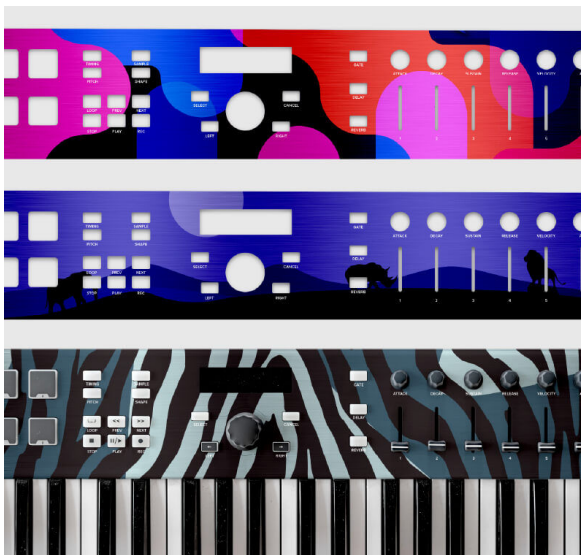
# Faster, More Beautiful, More Versatile

Print high-quality, vibrant, and impactful graphics directly onto a vast range of objects and substrates, including metal, plastic, glass, wood, canvas, vinyl, and paper items up to 8 inches in height.



## Yard Signs

Yard signs and lawn signs are a great way to generate income with your MO Series direct-to-object printer.



## Control Panels

For everything from custom electronics to industrial units, flatbed UV printing provides unprecedented options for customisation on a wide variety of substrates.



**Nameplates**  
 UV flatbed printing gives producers the option to individually customise plates and labels using a full digital printing process, or as part of a hybrid printing system.



**Electronic Items**  
 Unlock a lucrative new line of unique products, individually customised according to customers' tastes, with the ability to print vibrant graphics and even 3D gloss details.

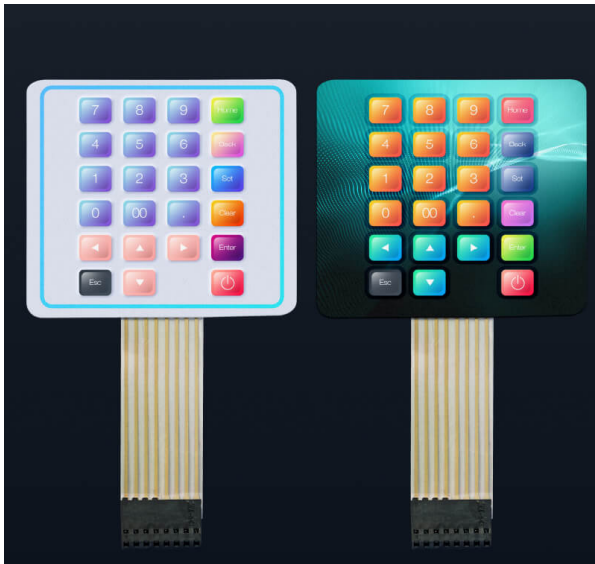


**Phone Cases**  
 Flatbed UV printing is the perfect choice for customising phone cases of all kinds from rugged, shock-proof cases to folding leather cases.



### Cases and Containers

With over 200 mm of clearance between the print head and the printing bed, you can print graphics and branding directly onto cases, boxes and containers.



### Keypads

UV printing is an excellent choice for producing a wide variety of keypads and membrane switches, offering much greater flexibility than analogue printing methods.



### Signage

The VersaOBJECT MO Series lets users print onto flat media up to A2 size made from glass, metal, plastic, wood and more, and also gives the ability to print Braille text directly to signage.



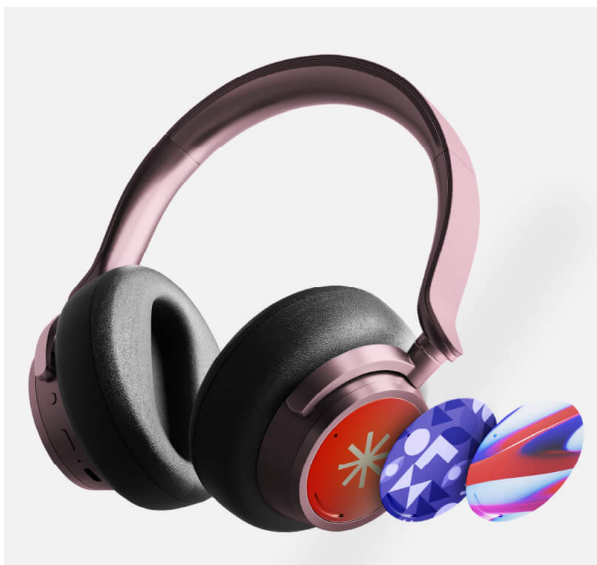
### **Bottles and Flasks**

Thanks to Distance printing mode, bottles and flasks can easily be customised in large batches, or an optional rotary printing unit can be added, allowing users to print around the entire cylinder.



### **Trophies and Glass**

Thanks to its excellent substrate compatibility and ability to print text and fine details with remarkable accuracy, UV printing is a perfect solution for producing custom trophies, awards and medals.



### **Custom Products**

Compared with more restrictive analogue processes like screen and pad printing, flatbed UV printing offers excellent flexibility when customising entire products or components.

## Everything You Need to Succeed



**MO Series Flatbed Printer**  
The latest and most advanced UV  
printer for your business



**VersaWorks 7 RIP**  
Power your workflow with our most  
intelligent engine yet



**Premium EUV Ink**  
Get stunning results every time with  
economical Eco UV ink



**Roland DG Care Warranty**  
Secure your investment with industry-  
leading support

# High-Definition Print

Newly developed print heads and LED lamp technology, coupled with advanced software and industry-leading inks give you the power to reproduce small letters, fine textures, gradations, and colour-matched graphics with ease. Furthermore, Orange and Red inks extend your achievable gamut letting you hit colours that previously could not be reproduced.

Whether you need vibrant image reproduction, high-opacity white ink, or the ability to print textures, the MO Series UV printers have the answer.



# High Productivity

The MO Series is engineered to deliver high productivity with print speeds up to approximately 1.4 times faster than comparable models from other brands. The staggered print head configuration, powerful lamps and increased bed-size deliver printing speeds of up to 2.39 m<sup>2</sup>/h in standard mode\*, letting you get more done. Denser white ink means you can print white twice as fast as previous models and Gloss ink can now be printed in thicker layers, doubling the speed.

Improvements to the setup process make it easier to switch between products and jigs of items with ease. The included software also lets you unlock unprecedented productivity with multi-layer printing, meaning that you can outperform your competition when printing on almost any substrate.

\*MO-240 only

# Greater Flexibility

Roland DG's EUV5 ink is renowned for its broad material compatibility and excellent adhesion. With just one ink formulation, you can print onto a variety of substrates, increasing your ability to adapt to changing market demands.

The MO Series also allows you to go beyond flat substrates thanks to built-in technologies including 'distance mode' printing and optional extras such as the rotary printing unit. With these features you can go even further with direct printing and move towards new opportunities.



# Excellent Usability

Roland DG's solutions are designed for easy installation, set up and operation. You can confidently operate these professional devices with a quick learning curve thanks to the user-friendly 7-inch touchscreen and intuitive VersaWorks 7 RIP software.

With the Roland DG Connect device monitoring app, you can also get real-time data about your print workflow, letting you schedule maintenance and improve profitability.



# Highlighted Features



## Staggered Print Heads

Achieve faster printing speeds than ever before with our new large print heads in a staggered array to accelerate CMYK, white and special effects printing.



## UV Lamps

Our newly developed UV curing lamps, three times more powerful than conventional lamps, cure and fix the ink in a shorter period of time, enabling increased productivity, whilst maintaining high definition printing.



### Vacuum Bed

The MO Series includes a vacuum bed as standard, which lets you print on a wider range of substrates including thinner, more flexible materials.



### 7" Touch Screen

Easily operate your MO Series printer and access all the features you need with a clear 7" touch screen and intuitive user interface.

## Features Summary



### Broad Substrate Compatibility

Print onto a virtually limitless range of flexible and rigid substrates and objects.



### Printing Distance Mode

Print directly onto irregular or curved objects with a high degree of accuracy.



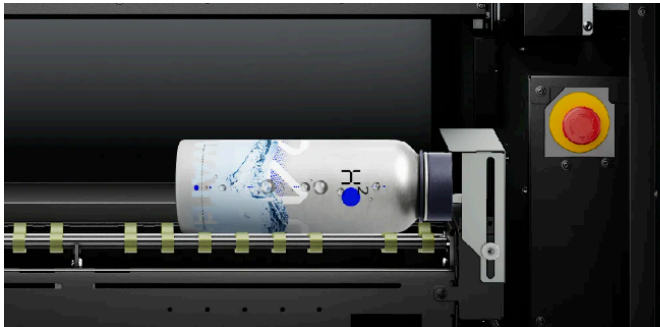
### Powerful Software Included

VersaWorks 7 included, letting you print directly onto a variety of objects in a simple workflow.



### Time Saving Turnaround

Switch to digital direct-to-object printing and eliminate long set-up and finishing times.



## Optional Rotary Printing Unit

The new optional Rotary Axis is quick and simple to install and opens opportunities for printing onto bottles and other cylindrical items 10-121 mm in diameter and 30-540 mm in length.

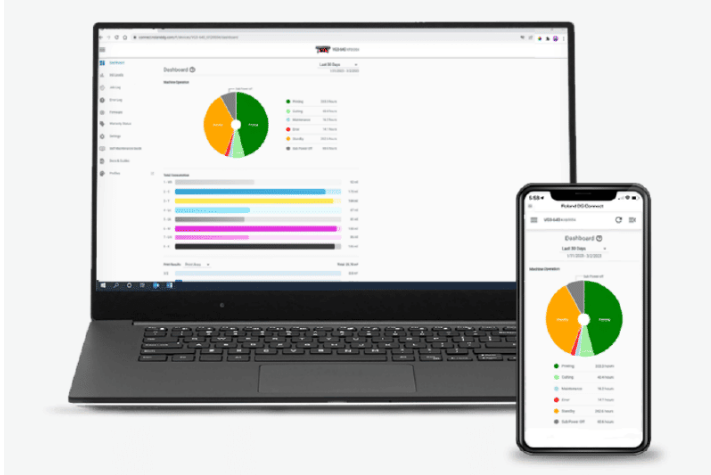
## Powerful Software Included

The VersaOBJECT MO Series is even more powerful when paired with VersaWorks 7 and Roland DG Connect. Developed specifically for Roland DG, our fast and flexible software gives you all you need to produce your work, your way.



### VersaWorks 7 RIP Software

Alongside high-speed RIP functionality, VersaWorks RIP includes a wide selection of productivity-boosting features for the MO Series, like automatic special colour generation and variable dataprinting.



## Roland DG Connect App

Reduce downtime and improve work efficiency with a machine monitoring assistant that helps you gain a detailed understanding of your entire print operation while keeping your device running at optimum performance.

# High Quality and Versatile ink

Choose from two versatile ink lineups for exceptional, premium printing. With a range of options, you can select the best ink for your needs, offering enhanced flexibility. Talk to a Roland DG expert to discover the ideal ink configuration for your print requirements.

### **EUV5**

#### MATERIALS

Soft to hard materials

#### BENEFITS

Excellent versatility  
with primer

Wide colour gamut

### **EUV-A**

#### MATERIALS

Soft materials

#### BENEFITS

Outstanding flexibility - 100%  
higher elongation than EUV5

Primer-less printing on acrylic



### CMYK

Achieve premium results with high-quality CMYK inks for vibrant, durable prints.



### Gloss

Generate a multitude of tangible effects, simulated embossing and gloss finishes



### White

Print high-opacity white details or add sub-coats for dark or transparent materials



### Red and Orange

Expand the colour gamut by approximately 20% compared to CMYK printing.



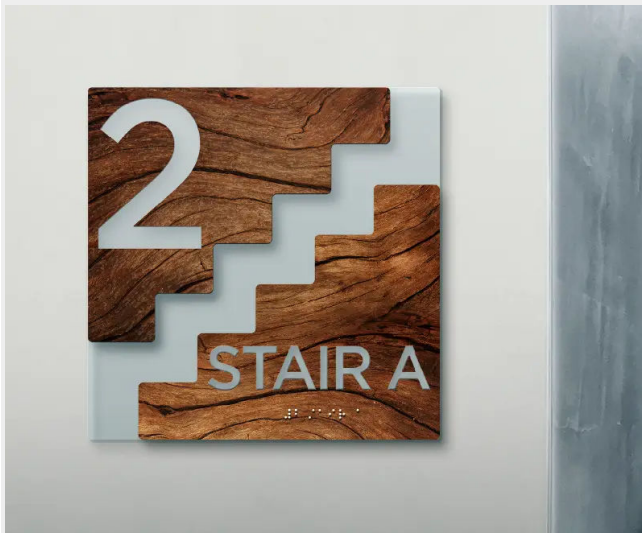
### Primer

Apply primer to the print area with precision for better compatibility with metal and glass.



## EUV-A Ink: Flexibility Redefined

EUV-A ink offers outstanding flexibility, primer-less acrylic printing, and the ability to support thermoforming. It's the perfect solution for custom leather and acrylic products, enhancing production efficiency and quality.



### Primer-less Printing on Acrylic Substrates

Print directly on acrylic without primer, cutting production time by 50% compared to other branded models, and improving overall efficiency and output.



### **270% Elongation on Flexible Substrates**

Achieve outstanding flexibility and durable prints when printing with CMYK or White on soft materials like leather, ensuring no cracks, even on items that bend or stretch.



### **Excellent Performance on Thermoformed Items**

Supports thermoforming, enabling custom designs on curved surfaces for products like packaging, automotive interior parts, and electronic devices.

High Productivity,  
Authentic Quality

# VersaOBJECT MO-240

## Specifications

<b>Model</b>		<b>MO-240</b>
<b>Printing Method</b>		Piezo ink-jet method
<b>Attachable objects to be printed on</b>	<b>Width</b>	Max. 640 mm (25.1 in.)
	<b>Length</b>	Max. 488 mm (19.2 in.)
	<b>Thickness</b>	Max. 204 mm (8 in.)
	<b>Weight</b>	Max. 8 kg (17.6 lb.) (When using a vacuum table: max. 4 kg [8.8 lb.])
<b>Printing width/printing length (width x length)</b>		Max. 610 mm × 458 mm (24 in. × 18 in.)
<b>Ink</b>	<b>Type</b>	ECO-UV (EUV5P) 750 ml pouch
	<b>Colours</b>	<p>Eight colours (cyan, magenta, yellow, black, gloss, white, orange, and red)</p> <p>Seven colours (cyan, magenta, yellow, black, white, orange, and red) and primer</p> <p>Seven colours (cyan, magenta, yellow, black, gloss, white, and red) and primer</p> <p>Seven colours (cyan, magenta, yellow, black, white x 2, orange, and red)</p> <p>Six colours (cyan, magenta, yellow, black, gloss, and white x 2) and primer</p> <p>Six colours (cyan, magenta, yellow, black, gloss x 2, and white x 2)</p>

<b>Ink-curing unit</b>		Built-in UV-LED lamp
<b>Printing resolution (dots per inch)</b>		Max. 1,200 dpi
<b>Connectivity</b>		Ethernet (100BASE-TX/1000BASE-T, automatic switching)
<b>Power-saving function</b>		Automatic sleep feature
<b>Power requirements</b>		100 – 240 Va.c. 50/60 Hz 3.5A
<b>Power consumption</b>	<b>During operation</b>	Approx. 290 W
	<b>Sleep mode</b>	Approx. 70 W
<b>Acoustic noise level</b>	<b>During operation</b>	60 dB (A) or less
	<b>During standby</b>	49 dB (A) or less
<b>Dimensions (width x depth x height)</b>		1,601 mm × 1,267 mm × 760 mm (63.1 in. × 49.9 in. × 30.0 in.)
<b>Weight</b>		211 kg (466 lb.)
<b>Environment</b>	<b>During operation(*1)</b>	Temperature: 20 to 32 °C (68 to 89.6 °F), Humidity: 35 to 80 %RH (no condensation)
	<b>Not operating</b>	Temperature: 5 to 40 °C (41 to 104 °F), Humidity: 20 to 80 %RH (no condensation)
<b>Included Items</b>		Power cord, cleaning liquid, drain bottle, User's Manual, software (VersaWorks, Roland DG Connect) etc.

<sup>1</sup>Operating environment (Use the machine in an operating environment within these ranges.)