HIGH-QUALITY PRINT RESULTS, GREATER VALUE, AND EXPERT SUPPORT FROM T.A.O.

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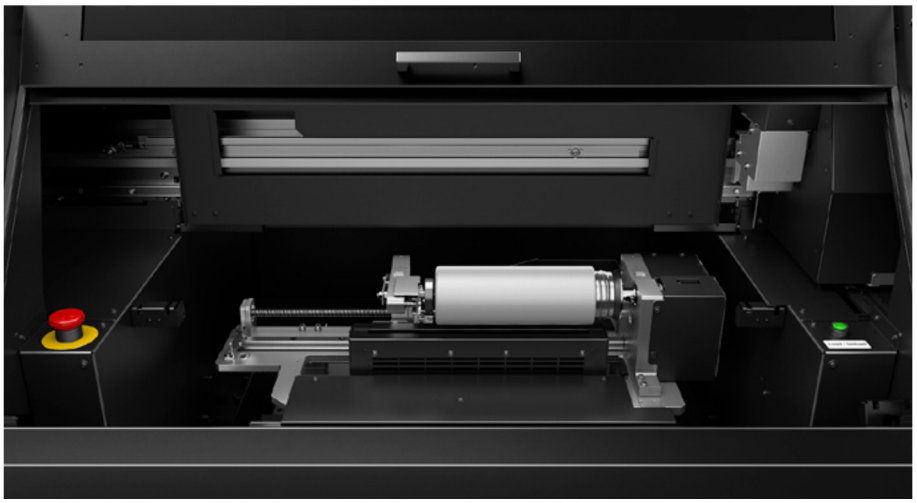
T.A.O. NEWSLETTER

Roland VersaObject RC-300 Series



Elevate Direct-to-Object Printing on Cylindrical Packaging with Roland VersaObject RC-300 Series

In today's market, consumers are increasingly seeking products that combine personalization with environmental responsibility. This trend is driving demand for reusable bottles and tumblers, as well as glassware and packaging for personal care and cosmetic products.

To meet this growing demand, T.A.O. presents the Roland VersaObject RC-300 Series, Roland DG's new industrial UV helical printer for cylindrical, tapered, and curved-profile objects. delivers high-quality direct printing and expands new opportunities for distinctive and high-value products.

Why Choose the Roland VersaObject RC-300 Series?

1. **Seamless 360° Printing**
Enables continuous helical printing around cylindrical and tapered objects, with precise ink-drop control and support for concave and convex surfaces with variations of 7–10 mm.

2. **Substrate Versatility & EUV-H Ink:**
Compliant with global safety standards, the new EUV-H ink delivers strong adhesion and durability on glass, plastics, and metal. It has also been tested to withstand 100–125 dishwasher cycles.

3. **The Roland VersaObject RC-300 Series**
can print on both opaque and translucent materials, such as stainless-steel bottles and aluminum cans, supporting tapered objects up to 10 degrees, as well as wine bottles and glass cosmetic containers, allowing direct printing without the need for blockout layers.

What Makes the Roland VersaObject RC-300 Series Stand Out?

Feature	Roland RC-300 Series	General Competitors in the market
Value & Investment (MSRP)	High ROI with proven Japanese industrial reliability	Low initial price, high failure rate & unstable
Resolution	Up to 1200 dpi	Lower resolution, grainy white text
Print Speed (CMYK / W+CMYK)	46 sec / 57 sec per piece (Fast & consistent)	60–90+ sec per piece Drastically slower on clear items)
Clear / Pre-filled Container Support	Supports clear glass (RC-300c) & pre-filled bottles up to 3 kg	Cannot print pre-filled and clear glass requires custom mode
Setup Efficiency	Automated setup in 30 sec (6 steps), 50 presets memory	Manual setup (50+ sec, 10 steps), high human error risk
Ink System & Durability	EUV-H Ink + On-board Jettable Primer (Global Eco-safety)	No jettable primer; poor dishwasher/ wash resistance

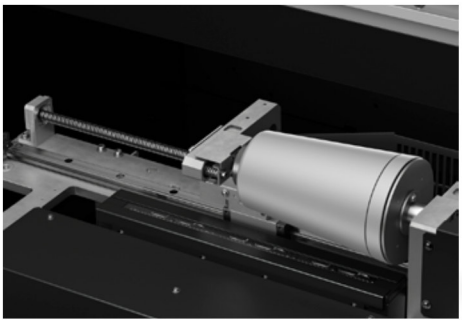
Complete Cylindrical Printing Solutions from T.A.O.

A complete printing solution requires more than advanced printing technology. T.A.O. provides the expertise and support needed for reliable production—from installation and technical consultation to after-sales service.

· **Installation & Consultation:** On-site support from specialized engineers and technicians.

· **After-Sales Support:** Responsive support with genuine spare parts and printing inks readily available.

· **Integrated Software Solutions:** Manage print jobs, visualize designs, and monitor machine status with VersaWorks 7 and Roland DG Connect/ Designer.



Explore the possibilities of the RC-300 Series with a print test from T.A.O.! please contact: Jutipornb@taobangkok.co.th

SCREEN STRETCHING IS A CRITICAL STEP IN PREPARING A HIGH-QUALITY SCREEN.

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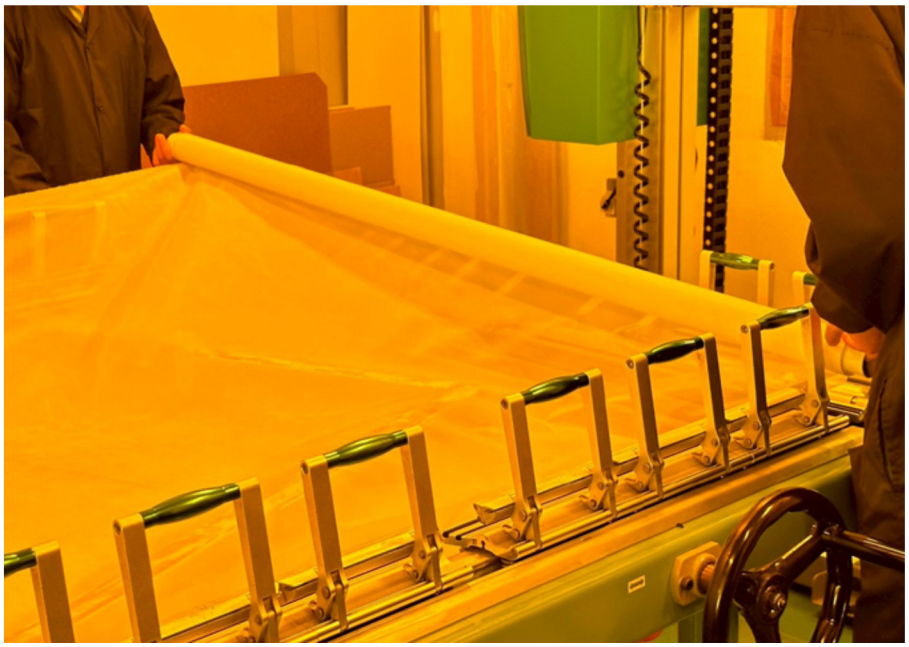
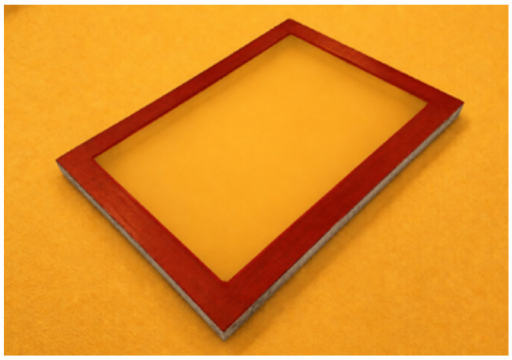
Consistent Print Quality Starts with the Screen



We have gained the experience and know-how required to produce stencils that meet industry standards.



Screen stretching is a critical step in preparing a high-quality screen. Inconsistent mesh tension control can affect print quality, disrupt production, and increase waste and costs.

Why Mesh Tension Matters?

Mesh tension directly affects image sharpness, color registration, and reject rates. T.A.O. combines screen-stretching expertise with quality control at every stage to support consistent print quality and efficient production.

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What Makes T.A.O.'s Screen-Stretching Service Stand Out?

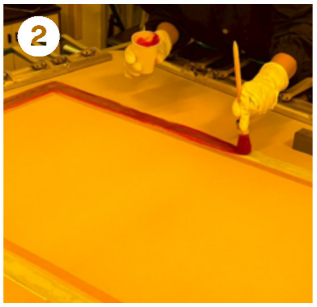
Precise Mesh Tension Control
We use standard screen-stretching equipment to achieve accurate and consistent mesh tension.

High-Quality Materials
- **Screen Frames:** Strong, durable, and designed to withstand high tension
- **Screen Mesh:** Stable tension
- **Adhesives:** Secure bonding, chemical resistance and durability

Expert Technical Guidance
We provide advice and recommend the right screen mesh for each application for sharpness and consistent results.

Key Operational Benefits

Streamlined production process
Reduce in-house screen-stretching steps and allow team to focus on core activities.

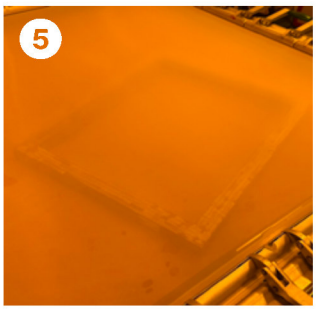


Reduced Inventory
Less need to stock screen mesh, frames, adhesives, and related chemicals.

Optimized factory space
Less space needed for equipment and material storage.

Today, we are taking the next step with the launch of our **full-scale screen stencil production facility** to provide more complete support to customers for screen printing.

Consistent screen quality
Specialists control mesh tension using standard measuring equipment.



Lower costs
Reduce spending on screen-stretching equipment, accessories, and maintenance.

T.A.O. is taking another step to become a more complete screen printing partner

For more information about our screen printing products and solutions, please contact: Suparatt Tansaengthong Email: suparatt@taobangkok.co.th

A strong organization is built on a safe workplace.

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Working Safer, Growing Stronger

Working Safer, Growing Stronger
A strong organization is built on a safe workplace.

At T.A.O., safety is a core part of our operations.

We continuously improve our health and safety practices across risk prevention, emergency preparedness, and employee well-being.

Five Safety Pillars for Sustainable Growth

1

Proactive Inspections and Risk Prevention
We regularly inspect safety systems and emergency equipment. We also measure lighting, noise, heat, and airborne chemical levels to reduce workplace risks.

2

Building Safety Knowledge and Culture
We provide ongoing training for employees in basic firefighting, first aid, proper PPE use, road safety to work safely and respond appropriately in different situations.

3

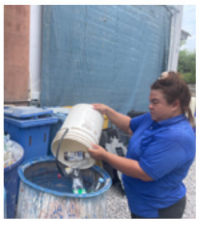
Emergency Preparedness
We conduct annual fire evacuation and chemical spill response drills. Employees learn to respond quickly, follow procedures, and minimize potential impact.

4

Employee Health & Well-being
Pre-employment and annual health checks, assess work-related risks, and take follow-up action to support employee health and performance.

5

Environmental & Everyday Safety
We promote waste separation, road safety, and safety awareness both inside and outside the workplace.



Working Safer, Growing Stronger

is more than a concept. It reflects our belief that employee health and safety are essential to strong and sustainable growth.