



 **Perivallo 360m**  
AN LSINC INNOVATION

**Seamless Full-Color Helical Printer  
with contour printing technology**

# BOUNDLESS POSSIBILITIES

## with Full-Contour Printing Capability

Imagine your products being so beautiful that people never want to throw them away.

The **Perivallo360m**® provides distinctive contoured printing that sets your product apart from the rest. Tactile effects can be used to simulate embossing and enhance the user experience.

High definition graphics are printed directly to glass, plastic, metal, paper, wood, and more - no paper label or adhesive required.

Get ahead of the competition with one to one personalization with a minimum run length of just one piece!



- 1 The Human Machine Interface (HMI) serves as your print queue and enables you to set-up and store "recipes" for commonly manufactured products.
- 2 The single-spindle shuttle system provides transport for your object into the print engine. Items with diameters from .75" to 5.5" and a length of up to 16" can be printed on the **Perivallo360m**.
- 3 Up to seven (7) inks can be loaded into the standard ink configuration. Ink usage and levels can be monitored on the HMI.
- 4 This printer uses Ricoh's Gen4 Piezoelectric print heads, the JetINX™ Printhead Drive and Ink Recirculation system for ink management and delivery, and LSINC's proprietary Perivallo™ Workbench software to provide seamless 360° helical printing.

- 5 Ink is pinned during the printing process to prevent spread. A final UV cure is applied once printing is completed.

## AT LSINC

IDEAS TO REALITY is not just our tag line, it's what we do for corporations around the globe. LSINC provides innovative approaches to every day manufacturing challenges. This spirit of innovation has led to the development of the Perivallo360m®, PeriQ360™, and PeriOne™ direct-to-object printers. We also provide consulting and engineering services to seamlessly integrate our technology into your current manufacturing operation, or bring your manufacturing ideas to reality through our consulting and custom engineering engagements.

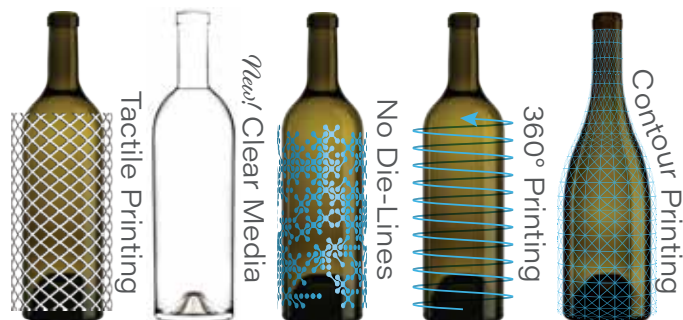
## FEATURES

- Upgrade available to print to Clear Media
- Nozzle Replacement for head life extension
- Diameter Independent Resolution (DIR) ensures that color remains constant regardless of the diameter of the media
- Multi-layer printing
- Edge-to-edge, seamless 360° printing
- Tactile Effects (cartouche)
- Full-color printing
- High speed precision ink placement
- Prints on cylinders, cones, tapers, and contours
- Print on demand – eliminates waste
- Eco-friendly digital ink
- Flexibility with quick-change fixtures

## APPLICATIONS

- Wine & Spirits
- Sporting Goods
- Personalized Gifts
- Specialty Beverage
- Syrups/Flavorings
- Cosmetic
- Pharmaceutical/Medical
- Specialty Foods
- Prototyping

## TYPES OF PRINTING



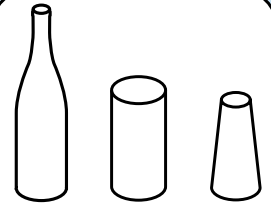
OUR FOCUS IS ON INNOVATIVE,  
PRODUCTIVE SOLUTIONS THAT  
HELP OUR CLIENTS WORK MORE  
EFFICIENTLY EVERY DAY.

## SPECIFICATIONS

<b>Print Technology</b>	JetINX print engine
<b>Inkjet Technology</b>	Ricoh Gen4 Piezoelectric print heads
<b>Max Resolution</b>	Enforces a fixed resolution to ensure color matching regardless of the media diameter
<b>Print Type</b>	Helical, Contour following
<b>Max Coating Thickness</b>	Dependent on resolution
<b>Formats</b>	
Max Item Diameter	5.5" (139 mm)
Min Item Diameter	.75" (20 mm)
Max Item Length	16" (406 mm)
Max Taper Angle	+/- 30°
<b>Ink Handling (colors)</b>	CMYKW, CMYKWV, PCMYKWV
<b>Ink Channels</b>	7 STD
<b>Loading/Unloading</b>	Manual
<b>Feeder Capacity</b>	1 Item
<b>User Interface</b>	On-board controller accessible via a 21" display
<b>RIP Software</b>	Onyx Thrive
<b>Pretreatment</b>	Dependent upon substrate
<b>Curing</b>	
Lamp Style	LED
Final Cure	Y
Pin	Y
Auto Lamp	Y
Dynamic Lamp Settings	N
<b>Dimensions/Weight</b>	L: 93" (236 cm) W: 32.5" (76 cm) H: 73" (185 cm)   1060lb (480 kg)
<b>Electrical Requirements</b>	16A, 200-240V, 50/60 Hz, Phase 1
<b>Environment</b>	18 to 30°C/65 to 86° F; Humidity 40-70% (recommended)
<b>Factory Air</b>	Continuously available compressed air with a minimum of 90psi (6.2 bar)



Scan this QR Code to see the Perivallo360m in action!



Contours    Cylinders    Tapers

Max Speeds	Product Type	Per Minute	Per Hour	Per Shift	Per Day (2 shifts)
*speed is determined by image height, resolution and opportunity mode.	<b>4" H (101.6 mm) artwork</b>	up to 2.9	up to 174	up to 1,392	up to 4,176



**Bring your vision to life with limitless possibilities.**

Contact us today to learn more:

**Call 1-256-721-4011 or email [info@LSINC.com](mailto:info@LSINC.com)**

490 Discovery Dr. NW, Huntsville, AL 35806