



 **PeriQ360**  
AN LSINC INNOVATION

**Production Focused — Quad Spindle  
Direct-to-Object Printer**

# HIGHLY PRODUCTIVE INDUSTRIAL PRINTER

## The Direct-to-Object Printing Advantage

Eliminate the need for paper labels and adhesives while creating an eco-friendly, seamless 360° label printed directly to your cylindrical or tapered media. The **PeriQ360™** is the fastest production unit in its class with the ability to print four items at a time.

### FEATURES

- G7 Calibration between tunnels for color consistency
- Nozzle Replacement for head life extension
- Diameter Independent Resolution (DIR) ensures that color remains constant regardless of the diameter of the media
- Variable Data File Advanced Caching
- Prints on clear or colored glass - no barrier required
- Jettable primer available subject to customer application
- Multi-layer printing
- Semi-Automated Feed and Delivery System
- Custom Integration into your workflow
- Tactile effects and faux embossing
- Prints on glass, metal, wood, plastic, paper and more
- Eco-friendly digital inks
- Flexibility with quick change fixtures
- Custom integration services available

### APPLICATIONS

- Wine & Spirits
- Drinkware
- Beverage
- Promotional items
- Paint and Aerosol Cans
- Syrups/Flavorings
- Cosmetics
- Medical
- Pharmaceutical



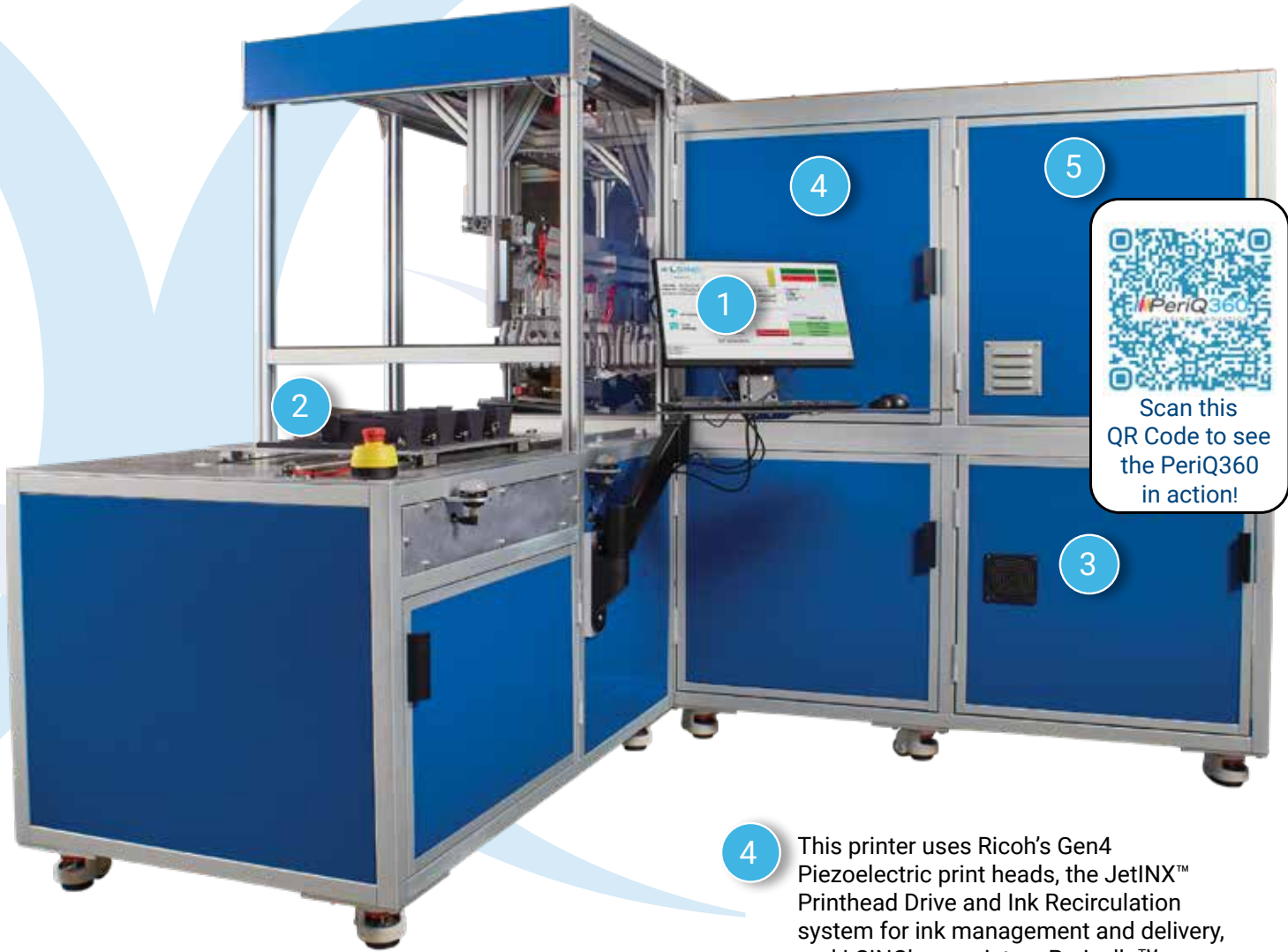
Multi-Layer printing allows you to create beautiful designs that can be viewed from both sides of clear media.

### 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.

1 The Human Machine Interface (HMI) serves as your print queue and enables you to set-up and store "recipes" for commonly manufactured products.

3 Up to seven (7) inks can be loaded into the standard ink configuration. Ink levels can be monitored on the HMI.



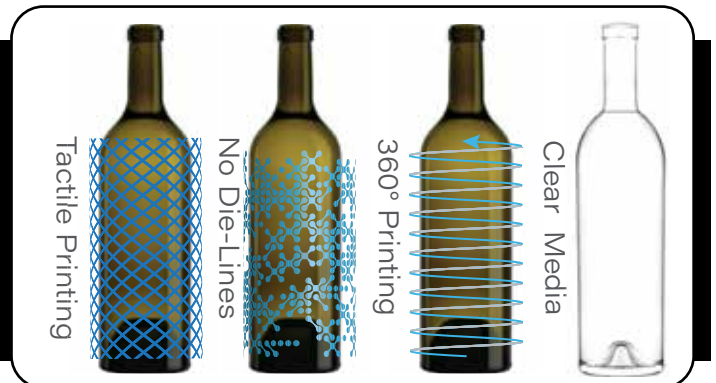
2 Media can be loaded into the shuttle during the print cycle, which saves time and contributes to the overall speed of the system.

The quad-spindle carriage provides transport for four pieces at a time into the print engine.

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.

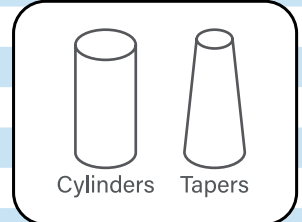
5 Ink is pinned during the printing process to prevent spread. A final UV cure is applied once printing is completed.

OUR FOCUS IS ON CREATING 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>Diameter Independent Resolution</b>	Enforces a fixed resolution to ensure color matching regardless of media diameter.
<b>Print Type</b>	Helical
<b>Max Coating Thickness</b>	Dependent on resolution
<b>Formats</b>	
Max Item Diameter	4.5" (114 mm)
Min Item Diameter	1.5" (38 mm)
Max Item Length	16" (406 mm)
Max Taper Angle	+ 10°/-2°
<b>Ink Handling (colors)</b>	CMYKW, CMYKWW, PCMYKWW
<b>Ink Channels</b>	7 STD
<b>Loading/Unloading</b>	Semi-Automatic
<b>Feeder Capacity</b>	4 Items
<b>Feed Mechanism</b>	Pneumatic Grippers and Pneumatic Shuttle
<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	Y
<b>Dimensions/Weight</b>	L: 123" (312 cm) W: 95" (241 cm) H: 83.5" (212 cm)   3600lbs (1632 kg) includes infeed and delivery
<b>Electrical Requirements</b>	16A 230 VAC 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 factory air with a minimum of 120 PSI (8.2 bar). If a feed system is installed, continuously available compressed factory air with a minimum of 150 PSI (10.3 bar) is required.



Max Speeds	Product Type	Per Minute	Per Hour	Per Shift	Per Day (2 shifts)
*speed is determined by image height, resolution and opportunity mode.	4" H (101.6 mm) artwork	up to 19.1	up to 1,146	up to 9,168	up to 18,536



### Beautiful Designs at Production Rated Speeds

Contact us today to learn more:

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

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