



# LG International

Advancing the technology of labels





THIS IS A SAMPLE OF

**LGInternational**  
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# Advanced Solutions

## More than a label company

From the laboratory to the manufacturing of medical devices and packaging of pharmaceuticals, life science and medical professionals contend with a challenging cross section of labeling requirements, including sample and product labeling, track and trace and brand protection. That's why you need more than a catalog full of labels. Instead, you need a company that can respond to the full spectrum of your requirements. As a leading provider of advanced labeling solutions, our customers confidently rely on our ability to:

- Consistently deliver products to spec
- Innovate new and improved solutions
- Leverage technology advances and best-in-class materials

## Proven solutions for harsh environments

LGI International has spent decades developing advanced labeling solutions for the most demanding markets. As a pioneer in controlled environment labeling solutions, LGI has not only worked with suppliers to develop technically superior products, but has also blazed new trails by developing processing capabilities to address industry specific needs. LGI's CleanMark® product offering has exceeded the challenge set by an industry that has zero tolerance for error and raised the bar for all those who have followed in our wake.

## Labels expertly designed for your needs

Bring us your toughest problems and your most critical needs. An extensive knowledge of materials and adhesives paired with design innovation enables LGI to engineer labeling solutions that make your job easier, your processes more reliable, and your products more secure. At LGI, we continuously research and assess technologies and materials in order to provide best-in-class solutions that address the evolving needs of our market.



- *Labware labeling*
- *Product labeling*
- *Brand protection*
- *On-demand printing*

# Labware Labeling

- *Sterile, cryogenic and autoclave labels*
- *Temperature and moisture indicating inks*
- *Chemical and stain resistant labels, inks and printer ribbons*
- *Permanent and temporary adhesives*
- *Pre-printed labels and on-demand label printing*
- *Custom sizes and shapes*



## Performance you can count on

As a life sciences professional, your job mandates precision, consistency, and expertise. Performing only when the conditions are favorable is not an option, so why should you expect any less from your labels? Whether exposed to extreme heat or cold cycles, moisture or chemicals, your tracking and identification methodology should perform reliably without compromising and interrupting procedures.

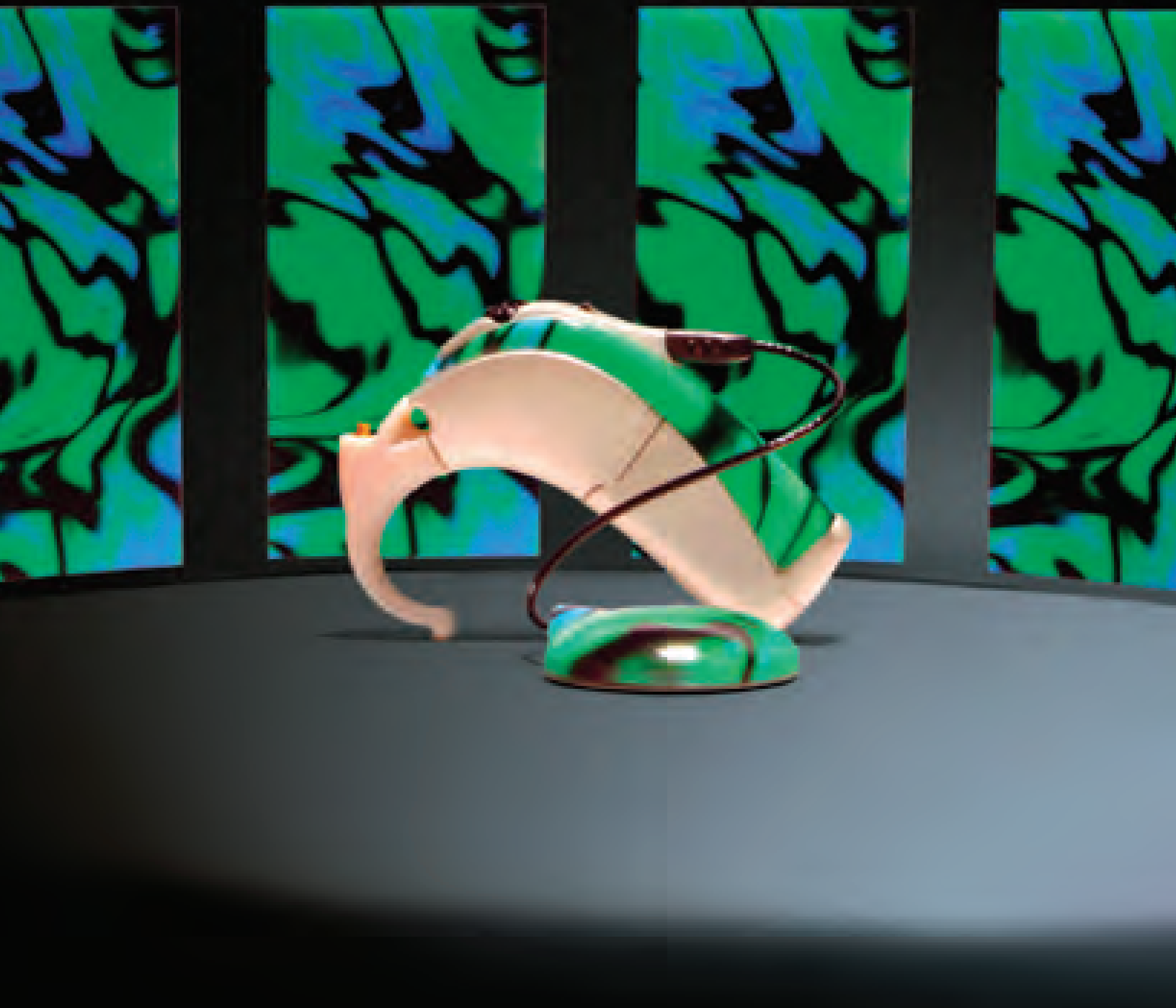
## Labels perfectly suited to your application

At LGI International we design labels to make your life easier. Our standard labware products are designed to perform under the conditions typical to your daily routine. When you need a label tailored to the specific requirements of an application, LGI will work with you to construct a label that is perfectly suited to your situation.

## Labels for all your laboratory needs

If you're tired of working with suppliers who are inadequately equipped to address the full spectrum of your labeling requirements, then turn to the experts at LGI. Our in-depth knowledge of materials, technologies, and markets served, combined with best-in-class printing capabilities, a fully-ionized cleanroom, and skillful product design team make LGI the ideal source for your labware labeling needs.





# Product Labeling

## Combining style with function

Labeling products for the medical and life science industries entail a number of considerations, including regulatory compliance, environmental and chemical requirements, brand protection, and market differentiation. LGI International leverages a wide selection of materials, adhesives and printing capabilities to produce labeling solutions that meet your functional requirements while delivering a stylistic design that sets your products apart from the competition.

## Long lasting, integrated graphics

LGI's Film Insert Molding (FIM) process applies clear scratch-resistant hardcoats, logos, text, finishes and graphics in any color or combination of colors, including metallic finishes, to molded parts so that the product decoration is sub-surface. Increased durability, design flexibility and design interest, make this approach a particularly ideal alternative to traditional labeling and painting of medical devices.

## Navigating regulatory waters with ease

Whether your labels need to be UL or CSA certified, RoHS or FDA compliant, LGI is positioned to not only deliver compliant labels, but we can also help you navigate the ever-changing regulatory waters. Plus, LGI is well-prepared to guide you toward materials that are consistent with your company's position on environmental stewardship.

## Unmatched quality, precision and service

At LGI, you can count on our commitment to quality control, precise attention to detail and superior customer service. We take great care at every level to insure that your product labeling meets or exceeds your expectations. LGI's extensive production and printing capabilities address the full spectrum of your needs.

- *Brand identification*
- *Barcode and serialized labels*
- *Plastic parts with integrated graphics and finishes*
- *UL and CSA approved labels*
- *RoHS and FDA compliant labels*





# Brand Protection

## Reliability is not an option

Identifying and protecting your products is not merely a matter of convenience, regulatory compliance or corporate branding. At its best, identification missteps can lead to lost productivity and revenue. At its worst, insufficient identification can be a matter of life and death. At LGI International we prioritize the quality of every product we deliver, but just as important, we are concerned with the overall effectiveness of your brand protection solution for the life of your product.

## On track with your needs

Whether you need to track laboratory samples, comply with FDA requirements, or trace the life cycle of a product from manufacturing to dispensing, LGI can work with you to define an appropriate track and trace solution. For the laboratory, our printing solutions enable you to create bar coded labels as needed, including labels and inks that withstand exposure to chemicals, moisture and extreme temperatures. For preprinted and more sophisticated requirements, LGI leverages advanced printing capabilities and technologies, including linear bar codes, 2D bar codes, and RFID tagging, to address your track and trace needs.

## Raising the anti-counterfeiting bar

Creating life changing products requires an immense amount of expertise and resources. Protecting this investment while ensuring the safety of your customers is no small task. That is why we collaborate closely with our clients to design multi-layered brand protection solutions that utilize overt and covert techniques combined with a plan for modifying those techniques over time. At LGI, we are continuously researching new technologies and techniques to discourage counterfeiting and instill customer confidence.

- *Linear and 2D bar codes*
- *Tamper indicating packaging*
- *RFID tagging*
- *Security taggants*
- *Holograms and specialty inks*

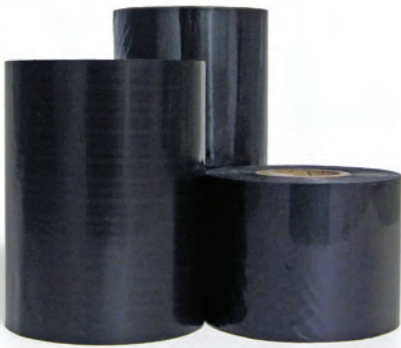


# On-demand Printing

## Powerful on-demand printing options

LGIInternational's line of customizable label printers provides powerful printing performance with an easy-to-use interface. LGI's label printer features include:

- Thermal transfer and direct thermal transfer printing
- Powerful printing performance – up to 12 inches per second
- A variety of media sizes and types
- Quick and easy printing of barcodes, text, numbers, graphic images and logos
- A wide range of supported barcode types
- Easy-to-use barcode software



## Specialized printer ribbons

Enrich your printing solution with LGI's high-performance ribbons designed for printing on thermal-transfer labels, ensuring high resistance to chemicals, smudging, and scratching for reliable and long-lasting on-demand printing. For critical environments, order LGI's CleanMark® certified printers, which are ideally suited for use with LGI's cleanroom ribbons and labels.

## Maximum printing flexibility

LGI's industrial printers incorporate a modular design for easy maintenance and parts replacement. Printers may also be upgraded with expansion kits at the time of purchase or when the need arises. Available expansion kits include:

- Peel and present
- Label present sensor
- Linear scanner
- Standard and light duty cutters
- Internal rewind
- I/O expansion card
- USB, Ethernet and wireless connectivity
- Twinax/coax and RS-422 interfaces
- RFID options
- Font expansion card
- Hangul, simplified Chinese and Kanji font support



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# Advancing the technology of labels

*"Discovery consists of  
looking at the same thing  
as everyone else and  
thinking something different."*

*Albert Szent-Gyorgyi*