

## Quarterly Industry Bulletin

This quarter, we are diving into the key trends shaping the U.S. medical device manufacturing industry. Protection and sustainability remain top priorities, as manufacturers face increasing pressure to adopt eco-friendly packaging solutions without compromising safety. As the industry evolves, balancing environmental responsibility with cutting-edge protection remains a key challenge for manufacturers.



**U.S. MARKET CAGR  
2024-2030<sup>1</sup>**

## What's Driving Growth?

- **Aging population:** The U.S. geriatric population is growing rapidly, with projections indicating that half of individuals born in the 21st century may live to 100. This rise is increasing the prevalence of age-related disorders.<sup>2</sup>
- **Technology advancements:** Innovations like robotic surgery, AI, 3D printing and minimally invasive devices are opening new market opportunities and enhancing medical device capabilities.
- **Home healthcare and remote monitoring:** A rise in telemedicine and home healthcare is driving the demand for portable, user-friendly medical devices that patients can use at home for remote monitoring and diagnostics.

## Top U.S. Medical Device Manufacturers<sup>3</sup>

- Medtronic
- Johnson & Johnson MedTech
- Abbott



## Packaging Trends and Influences Within This Segment

- **Sustainable packaging solutions:** There's a growing emphasis on sustainability, driven by the environmental impact of plastic waste in healthcare. According to the Healthcare Plastics Recycling Council, American healthcare facilities produce 14,000 tons of waste daily. Plastic packaging and products make up approximately 20% to 25% of this waste.
- **Personalized medicine and packaging:** Advances in personalized medicine are leading to customized packaging designs that cater to individual patient needs. This includes customized drug delivery systems and packaging with patient-centric designs, such as QR codes that link to educational materials.
- **Tamper-evident and anti-counterfeiting measures:** The rise in counterfeit medical products has led to packaging innovations that include holograms and blockchain technology, ensuring that medical devices remain authentic and tamper-free throughout the supply chain.