

# XO Armor Introduces Groundbreaking On-Site 3D Printing for Durable Medical Equipment (DME) Production

*Transforming Healthcare with Rapid, Cost-Effective Medical Device Manufacturing*

AUBURN, AL, UNITED STATES, December 2, 2024 /EINPresswire.com/ -- XO Armor, a leader in additive manufacturing technology, has launched an innovative solution to streamline durable medical equipment (DME) production through advanced on-site 3D printing. XO Armor began as a method of providing immediate injury care in football, and has since been widely adopted by teams in

multiple sports around the nation for custom on-site athlete protection. Leveraging their partnership with Bambu Lab, this pioneering approach for on-site capabilities aims to address critical healthcare challenges such as supply chain delays, high costs, and product shortages.

These are addressed by empowering clinics to produce essential medical devices directly in-house.

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On-site manufacturing removes many of the friction points of product logistics involved with delivering a high-quality orthosis by allowing any room in a clinic to become a clean fabrication site.”

*Robert Schiewe, Director of Orthotics*



On-site 3D Printing with XO Armor

Using Bambu Lab’s 3D printing technology, XO Armor enables healthcare providers to manufacture high-quality, customized medical devices at the point of care—without reliance on third-party suppliers or expensive external equipment. This rapid on-demand production model minimizes inventory expenses and reduces wait times for patients, enhancing both efficiency and patient outcomes. On-site production also significantly cuts costs, with prices less than half those of conventional DME, further democratizing access to critical healthcare resources.

Additive manufacturing is especially impactful for creating custom-fit devices such as orthoses, splints, and other essential support equipment. Patients benefit from perfectly tailored devices that meet their specific needs and anatomical characteristics, while clinicians save time and resources by bypassing traditional casting methods. This shift allows medical professionals to dedicate more time to patient care, boosting overall treatment quality and satisfaction.



Custom-fit Orthotic Devices

"XO Armor is delighted to partner with Bambu labs to transform healthcare delivery with a fast, flexible, and cost-efficient solution for medical device manufacturing," said Joe Bingold, CEO of XO Armor. "Our platform not only streamlines clinic operations but also ensures patients receive high-quality, customized devices faster than ever."



Efficiency in Patient Care

With breakthrough 3D printing technology, healthcare providers now have a powerful tool to elevate patient care and operational efficiency. For further information or to schedule a demonstration, please contact [info@xoarmortech.com](mailto:info@xoarmortech.com).

XO Armor

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