India's first advanced 3D printing hub for orthopaedic implants to open in AMTZ

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Cutting reliance on costly imports and offering accessible, affordable solutions

In a landmark collaboration that spans three continents, OIC International (USA), Medi Mold, part of the Andhra Pradesh Medtech Zone (AMTZ) (India), and AddUp, a subsidiary of Fives Group (France) have announced a strategic partnership to establish India's most advanced orthopaedic implant manufacturing facility powered by 3D printing and precision engineering. The facility will be housed within AMTZ, India's flagship medical device manufacturing park.

This trilateral arrangement marks a decisive step toward transforming India into a global hub for high-performance orthopedic implants while aligning with the Indian government's "Make in India" and medical self-reliance initiatives.

OIC is launching a first-of-its-kind line of implants manufactured in India using advanced additive 3D technology, designed for both domestic and global markets. Developed with proprietary technology, these implants aim to significantly reduce post-surgery recovery time while delivering cutting-edge solutions at a fraction of the cost and can be produced on a mass scale, close to the delivery points.

The first metal 3D printer from AddUp's FormUp range will be installed at AMTZ, enabling rapid prototyping and market entry. This infrastructure, operated by Medi Mold, will ensure speed, flexibility, and efficiency in manufacturing — a vital combination for meeting the growing orthopaedic demand in India and abroad.

Through this partnership, the coalition aims to address three fundamental challenges in orthopaedics: technology-led innovation, affordability and market access. The new facility will offer an integrated manufacturing platform for low-cost implants for public sector procurement, supporting government hospitals and healthcare schemes. Meanwhile, OIC will have the ability to support India's fast-growing private healthcare market.