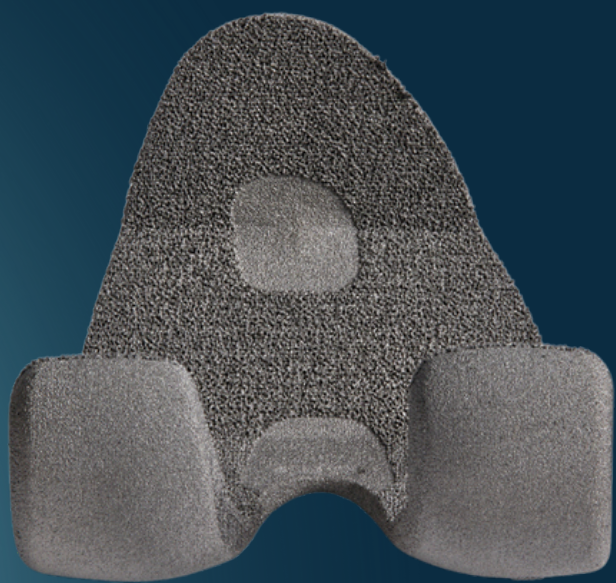


HOW TO:

Transform Your Costs with 3D Printing



5 difference makers for orthopedic OEMs



Transformative Cost & Scale Model

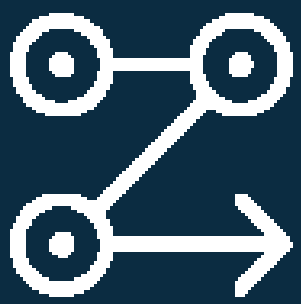
Orchid's proprietary supportless printing process drives COGS reduction for today's orthopedic implants upwards of 25% and enables industrial scale manufacturing.

Compared to:

Traditional laser and older EBM additive technologies that rely on support structures and single-layer builds, limiting parts per build and increasing costs.

ORCHID360
COMPREHENSIVE ADDITIVE ECOSYSTEM





Delivery of Fully Finished Devices

Orchid's system for post-processing delivers fully finished implantable devices, regardless of scale or complexity. Machining 3D printed device is not the same as devices that were forged or cast, and we've already built the processes and systems required.

Compared to:

Legacy 3D technology that requires extensive time and capital-intensive post-processing, which complicates your product cycle and slows speed-to-market.



ORCHID 360
COMPREHENSIVE ADDITIVE ECOSYSTEM





Superior Mechanical Properties

Mechanical properties exceed industry requirements for tensile strength, yield strength, percent elongation and rotating beam fatigue.

Compared to:

Additive technologies that are limited to specific geometries (like acetabular cups) and resolutions creating simplified bone in-growth structures.

ORCHID 360
COMPREHENSIVE ADDITIVE ECOSYSTEM





ORCHID 360
COMPREHENSIVE ADDITIVE ECOSYSTEM



Forward-Leaning Technology

The Orchid 360 additive platform was developed ahead of market demand using the latest EBM machines, proprietary process controls, automation and cementless solutions.

Compared to:

Other companies who have not built for a purpose and lack infrastructure to support high-volume production.





People Behind the Process

With broad and agile expertise in both orthopedic industry requirements and a range of manufacturing modalities, only Orchid has the team built to help you commercialize your product design and go to market.

Compared to:

Other companies who share engineering resources across multiple manufacturing methods.



ORCHID 360
COMPREHENSIVE ADDITIVE ECOSYSTEM



ORCHID 360

COMPREHENSIVE ADDITIVE ECOSYSTEM

Designed with the
End in Mind

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