

Personalize Innovation.™ Optimize Outcomes.

3D Printing Solutions at the Point of Care



The ability to print patient-specific instruments and devices on demand and on-site is revolutionizing healthcare. By bringing 3D printing and procedural planning technologies to the point of care, healthcare providers are improving outcomes, increasing efficiency, and lowering the cost of care. Additionally, hospital operations are discovering that additive manufacturing can help fill supply chain gaps, enabling the production of needed medical supplies on demand.

Benefits of 3D Printing at the Point of Care



Increased accuracy



Reduced procedure time



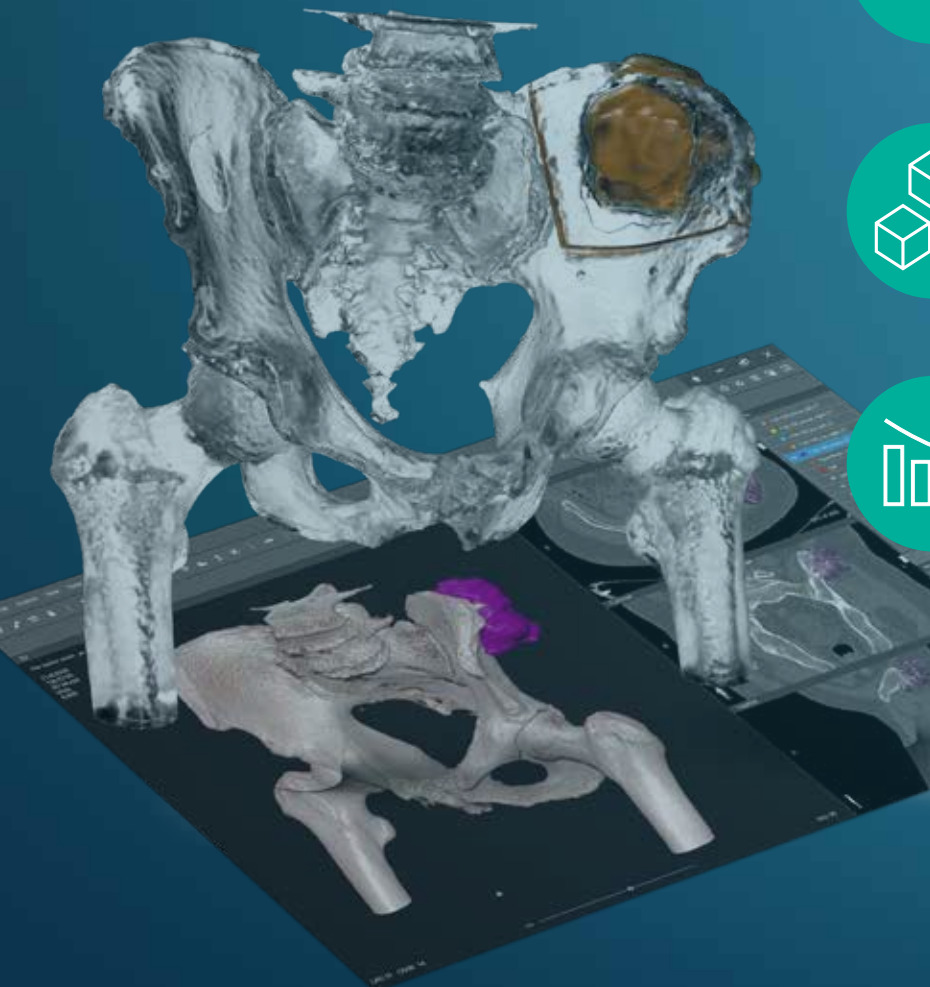
Improved patient communication



Better inventory control



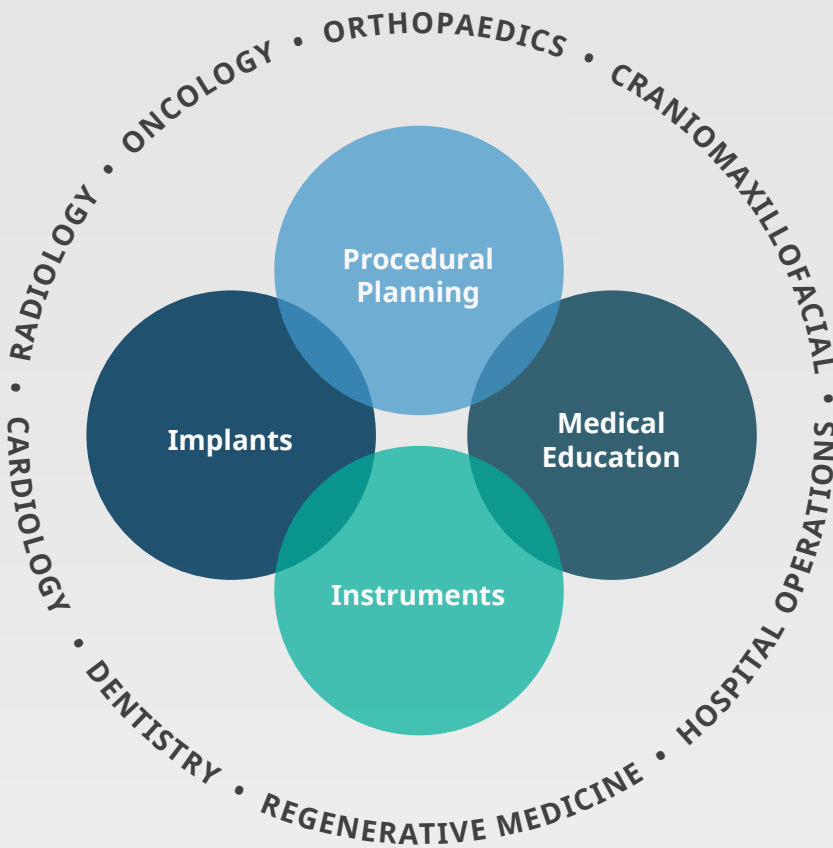
Lower costs



Personalize Healthcare and Address Operational Challenges

Applications for point of care 3D printing extend across the health system to enable:

- Advanced visualization to diagnose disease and plan surgical intervention
- Production of radiotherapy materials that contour to patient anatomy to precisely target tumors
- Design and printing of anatomic models for patient education
- Data-driven patient-specific treatment planning and device design
- Bioprinting of regenerative, live cellular, and bioabsorbable structures
- On-demand printing of personal protective equipment and diagnostic tools

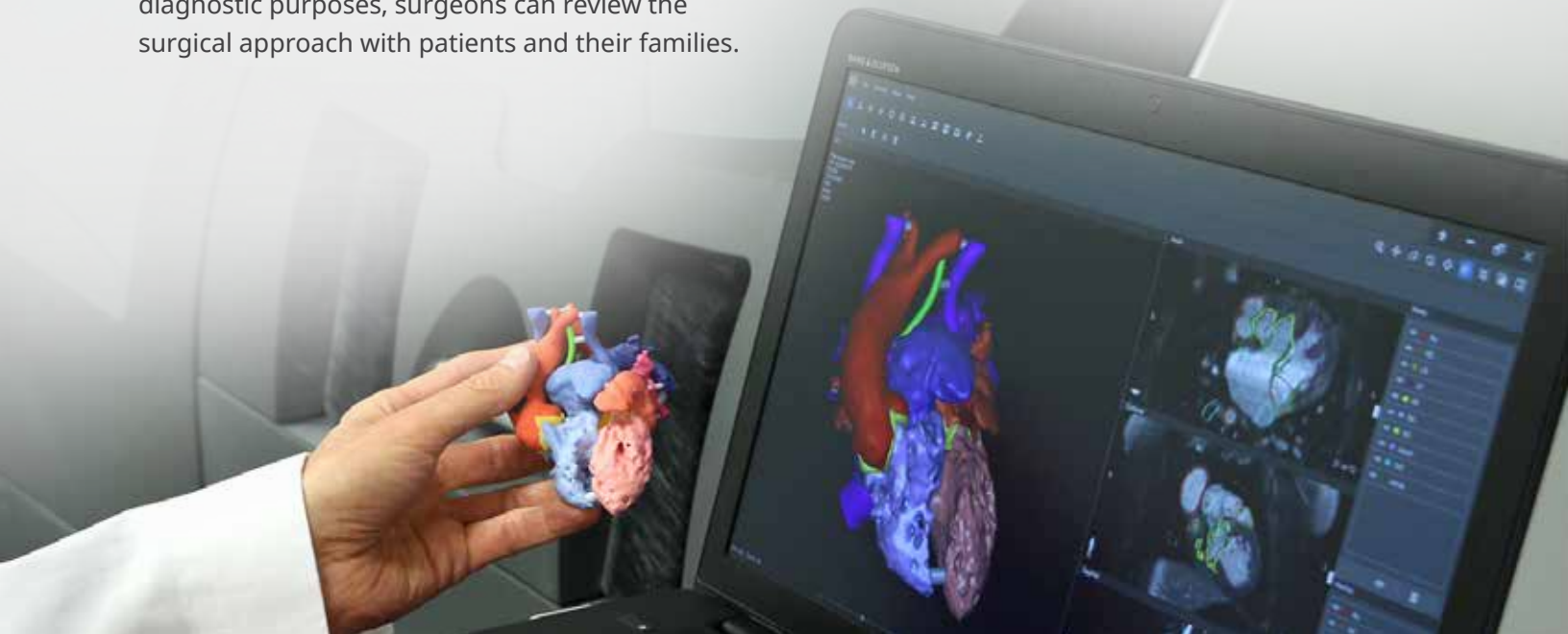


3D Systems' Figure 4® Standalone is an ultra-fast 3D printer ideal for same-day prototyping and low-volume production.



Improve the Patient Experience

Patient-specific devices can help increase procedural safety, reduce length of stay, and improve patient recovery. Plus, with the ability to 3D print full-color anatomic models for pre-operative surgical planning and diagnostic purposes, surgeons can review the surgical approach with patients and their families.



Get On-Demand Access to Essential Medical Supplies

Manufacturing your own devices eliminates production, processing, and supply chain overhead. It enables just-in-time inventory control, which can in turn, reduce operational costs. For example, you can 3D print surgical instruments like scalpel handles, forceps, retractors, hemostats, medical clamps, and needle drivers—often in less than a day.



Overcome Roadblocks to Integrating Point of Care 3D Printing

The benefits of incorporating 3D printing capabilities on-site at your health system are clear, but the successful adoption of these technologies and services is dependent upon addressing cost, quality, and compliance concerns. 3D Systems can help you navigate the process of implementation with our 360 degree approach to healthcare additive manufacturing. We offer a full spectrum of technologies and services to help you:

- Deploy the right mix of technologies needed to meet your organization's objectives
- Decide whether you should outsource or integrate on-site manufacturing
- Establish workflows and protocols for device design and manufacturing
- Build quality management programs to meet regulatory and safety requirements
- Set up control processes to ensure auditable traceability and documentation
- Collaborate with our service team to provide surgical planning support or to outsource device production when not available on-site
- Provide ongoing staff education, procedural planning support, and consulting services as needed
- Monitor operational, production, and resource expenses to accurately assess expected cost savings



ADVANCED PRINTERS & SOFTWARE

FLEXIBLE SOURCING STRATEGY

DESIGN & MANUFACTURING PROTOCOLS

QUALITY MANAGEMENT

REGULATORY CONTROLS

ONGOING EDUCATION & EXPERT GUIDANCE

RESOURCE TRACKING

Customize Your Center from Outsourcing to Full Integration

3D Systems can help you structure your point of care 3D printing center by providing the right combination of equipment, software, and services through three different models.

Managed Services

We provide all the technology and staff to create a 3D printing center at your facility, and the center is dedicated to serving your needs.

Collaborative Solutions

You own the center and technologies, and we provide a team of experts to operate the center and expedite your prototype-to-print process.

Center of Excellence

We help you fully integrate the technologies, processes, and teams you need to independently operate your center, and provide training, support, and contract manufacturing services as needed.





“


Partner with Us to Personalize Innovation and Optimize Outcomes

With over 30 years of experience in healthcare additive manufacturing, 3D Systems is an ideal partner on your journey to set up an on-site 3D printing center. From outsourcing to full integration, we have the solutions, expertise, and personalized approach you can depend on to quickly address challenges and stay ahead of the curve.

“As [3D printing] technology becomes more user-friendly for medical professionals, more hospitals will be able to implement end-to-end solutions for personalised [sic] surgery. This will disrupt existing healthcare models, improve the quality of care, and crucially, save more lives.”¹

Gautam Gupta, Ph.D.

*Vice President and General Manager,
Medical Devices, 3D Systems*



You can count on 3D Systems' experience and expertise with...

2M+

Medical devices
manufactured

140K+

Patient-specific cases
& devices delivered

100+

FDA-cleared & CE-marked
devices supported

We are ready to partner with you to deliver 3D printing technologies and services at the point of care to personalize innovation and optimize outcomes.

Start the Conversation Today.

3dsystems.com/point-of-care

¹ Gupta, Gautam. *How 3D Printing can Revamp Personalised Surgery*. February 18, 2021.

Available at: <https://www.med-technews.com/medtech-insights/latest-medtech-insights/how-3d-printing-can-revamp-personalised-surgery/>.

© 2021 by 3D Systems, Inc. All rights reserved. Specifications subject to change without notice.

3D Systems and the 3D Systems logo are registered trademarks of 3D Systems, Inc. 11-21

MM-1091 Rev A

3dsystems.com