

EXT 220 MED

Additive manufacturing of implants at the point of care

Discover the first 3D printing platform specifically designed for the additive manufacturing (AM) of implants and instruments at your hospital.

The EXT 220 MED's filament-based extrusion technology features an integrated clean room and temperature controlled by a laminar airflow. This enables providers to print high-quality, biocompatible devices using high performance polymers, including PEEK and Radel® PPSU.

The EXT 220 MED is part of a complete portfolio of point of care AM solutions. If you are setting up or expanding an on-site 3D print center, 3D Systems is the only company to offer its own validated printers, design software and FDA-cleared workflows. Additionally, our team can provide regulatory guidance, staffing requirements, qualification protocols and work instructions for you to achieve the best outcome.

Choose our technologies and expertise for printing a broad range of applications:

- Cranial plates
- Thoracic implants
- Orbital implants
- Surgical guides and tools
- Trial implants
- Maxillofacial plates and onlays



Sample applications and associated fabrication times

CRANIAL PLATE (PEEK)
3.5 hours



ORBITAL FLOOR (PEEK)
0.5 hour



JAW IMPLANT (PEEK & CFR-PEEK)
0.75 - 1.0 hour



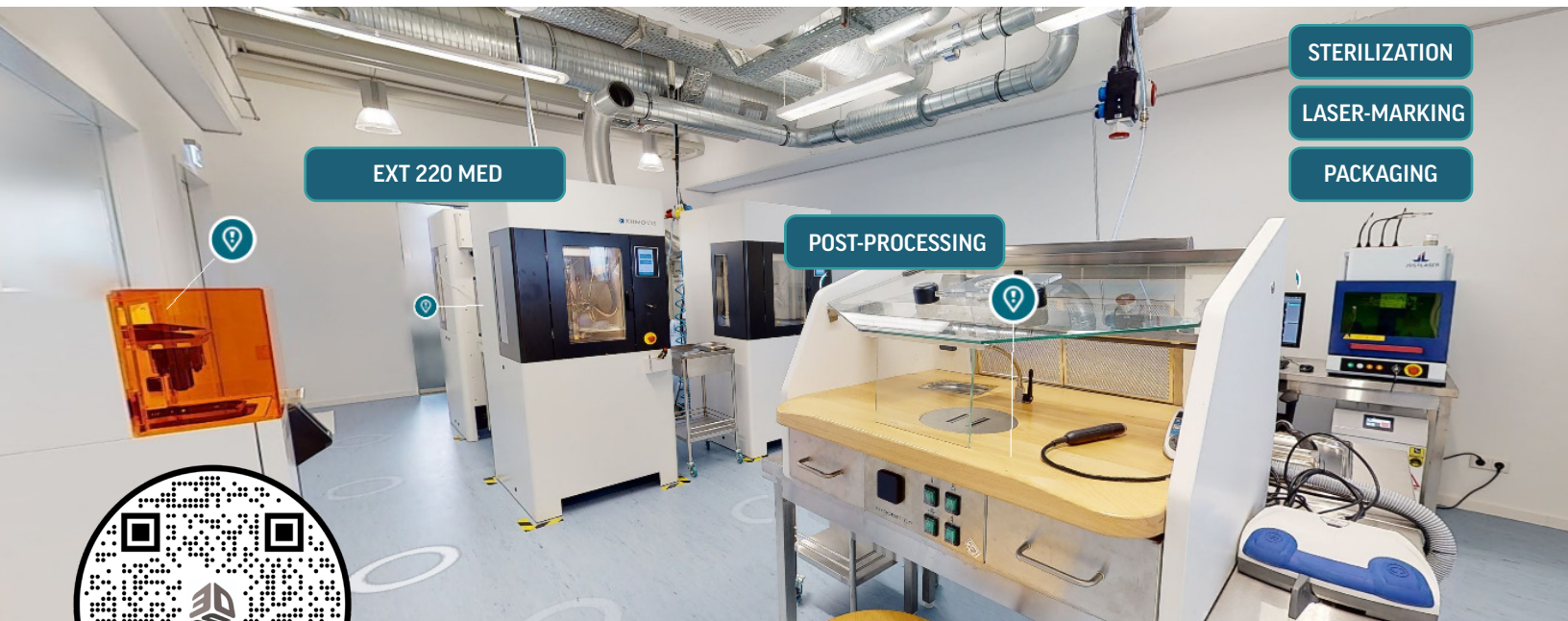
Manufacture patient-specific implants using a complete point of care workflow

Leverage our experts to establish a dedicated process to 3D print implants and instruments that meet quality and regulatory requirements.



Maximize output with a minimal footprint

Medical device production at the point of care requires very little space. The EXT 220 MED is compact and can be combined with other stations for post-processing and sterilization.



All equipment can fit within 20 to 50 square meters or 215 to 540 square feet, depending on the number of printers needed.

Visualize the set-up of your point-of-care 3D printing lab. Use the QR code to take a virtual tour.

Gain the additive advantage with the EXT 220 MED solution.

Start a conversation with us: 3dsystems.com/medical-devices

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