

PATIENT-SPECIFIC SURGICAL JIGS PRECISION MADE SIMPLE



THE PURPLE
SPARK



Problem:

In complex orthopedic oncology surgeries, traditional surgical approaches can lead to longer operating times, imprecise cuts, and higher risk of complications.

Our Solution:

The Purple Spark designs and manufactures customized 3D-printed surgical jigs, created from patient scans for unmatched accuracy.

Key Benefits:

- + Reduced surgery time through precise, pre-planned guides
- + Improved surgical accuracy with patient-specific fit
- + Better outcomes and faster recovery for patients
- + Seamless collaboration between surgeons and engineers

Workflow:



Scan



Design



3D Print



Sterilize



Surgery