

Control Architecture of Cranial Implant Laser Cutting System

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Goals

- Develop portable 5 DOF laser cutting system
- Aim to assist surgeon in resizing oversized cranial implants in single-stage cranioplasty

Significance

- Automate the procedure to enable faster and more accurate modification of the implant profile

Results

- Fully assembled machine
 - Functional and calibrated
- 5-axis cutting motion

