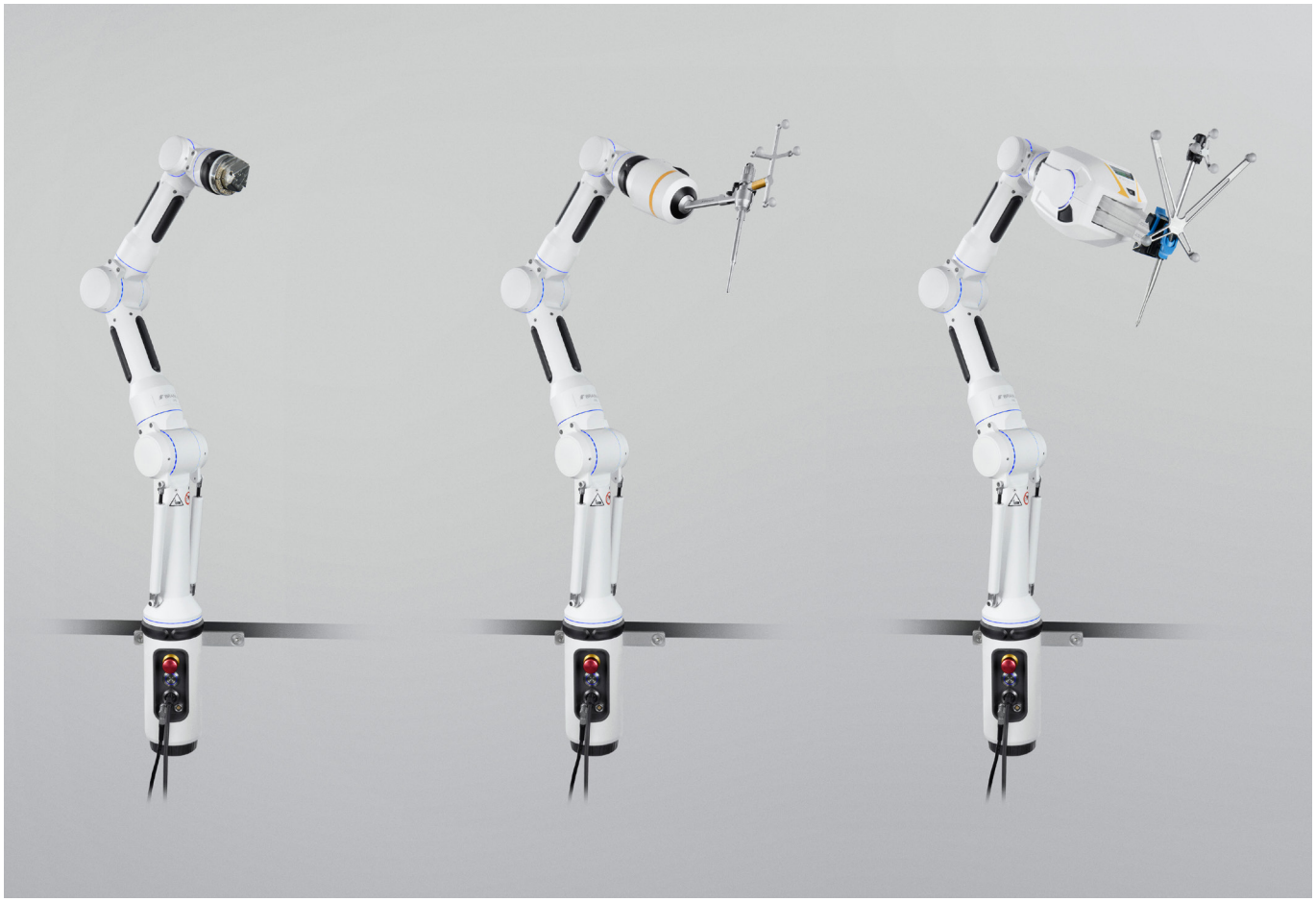
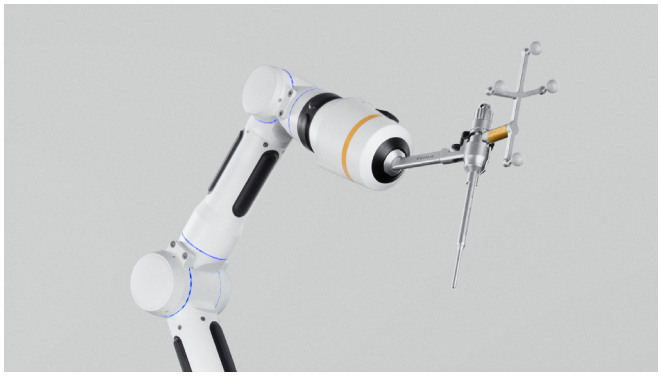
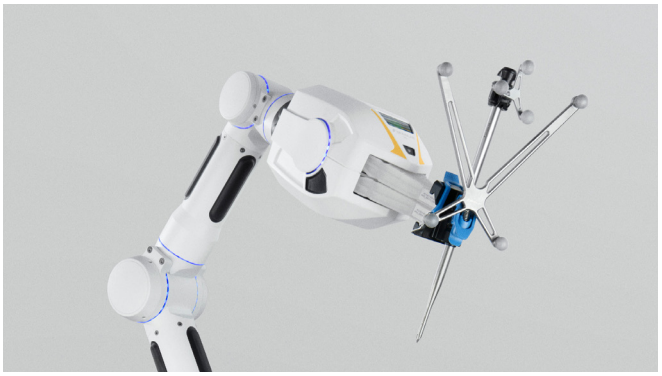
Portfolio

Cirq robotics in spinal procedures



Inspired by the form of the human arm, Cirq is a reliable and intuitive surgical assistant. This modular robotic platform weighing only 24 lbs. (11 kg) is part of the Brainlab Digital Spine Surgery ecosystem and adapts to a range of clinical indications with its versatile “hand” modules. For spine, Cirq complements automated screw planning, 3D navigation and intraoperative imaging.



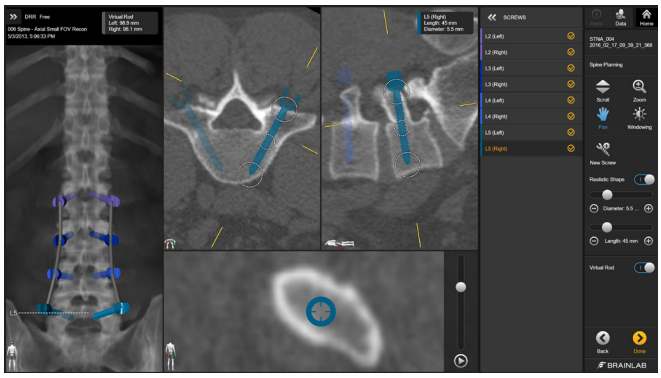


Alignment module spine

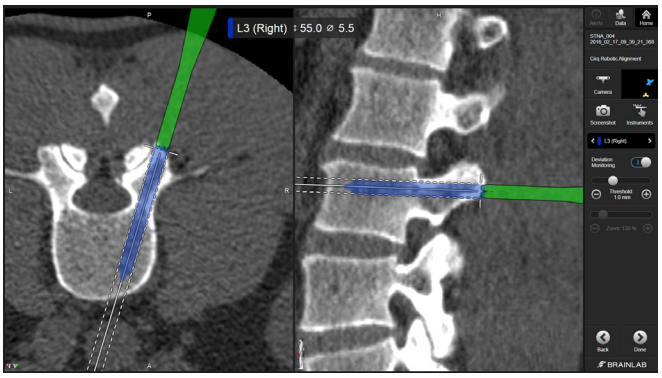
- Seamless minimally invasive workflow with navigation-ready instruments
- No preoperative trajectory required
- Provides stable procedure support with sharp teeth anchoring on the bone
- Vendor-neutral compatibility with multiple implant sets
- Reusable components keep disposable costs low

Robotic alignment module spine

- Auto-alignment to trajectory with Brainlab planning and navigation
- Cirq Alignment Software provides visual guidance toward region of interest
- Real-time tracking of instruments
- Drill guide teeth designed for forceless anchoring on the bone
- Drill guide length suitable for various patient anatomies
- Robotic module also compatible with Cranial inserts for biopsy



Elements Spine Screw Planning Software with automatic pedicle screw planning



Cirq Robotic Alignment Software for use with Cirq drill guide