



eCential Robotics platform

Universal surgical platform

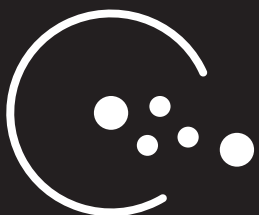
2D/3D Imaging, Navigation and Robotic surgery

Unified platform:

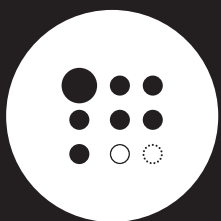
- 2D/3D Imaging
- Navigation
- Robotic surgery



Unified



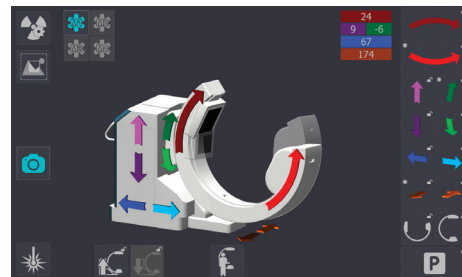
Open



Multi-app

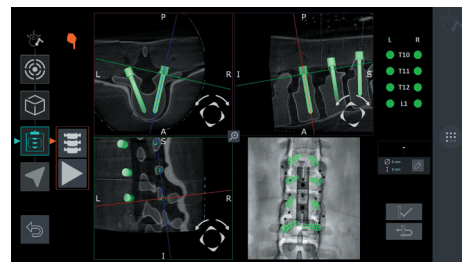
2D/3D IMAGING

- 3D Low dose technology*
- Robotic X-ray imaging C-arm.
- 5 motorized axes offer total accessibility to the operating field.
- Optimized trajectory increases the reconstruction volume.
- Pediatric mode.



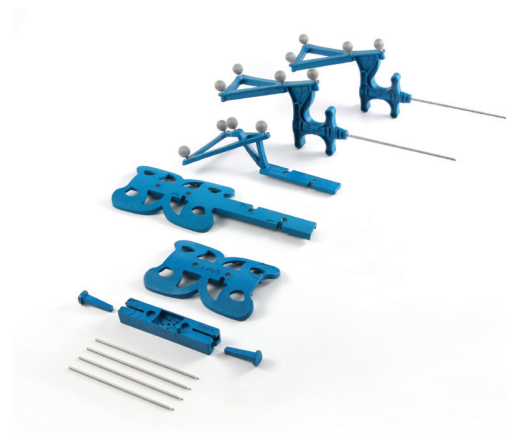
PLANNING

- Intraoperative planning on 3D image with patient in surgical position.
- Automatic pre-positioning of implants & intuitive interface for planning adjustment.



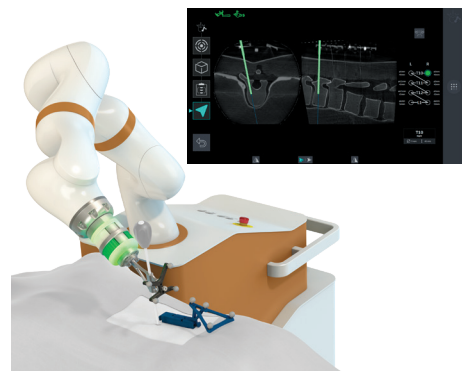
NAVIGATION

- Automatic registration of the patient with the 3D image.
- Single-use instrument, pre-calibrated, and identified by QR code.
- Real-time visualization of trajectory on the 3D image.



ROBOTIC SURGERY**

- Collaborative robot handling.
- Automatic instrument alignment for pedicle trajectory.
- Workflow control from the sterile area.



• SURGIVISIO (I00001) class IIb • CoBot (I00019) class I • 3D SRW (software with CoBot - L00016) class IIb

The SURGIVISIO system is a Class IIb (CE0459) intraoperative x-ray imaging and surgical spine navigation medical device.

The Spine Robotic System is a class IIb medical device intended for the positioning of instrument holders or tool guides to be used by surgeons to guide standard surgical instruments during general spinal surgery. The Spine Robotic System is not available for sale.

*Surgivisio® and O-arm®02 cone beam CT mobile systems for guidance of lumbar spine surgery: Comparison of patient radiation dose Julia Rousseau, Serge Dreuil, Céline Bassinet, Sophie Cao, Hélène Elleaume. Published: June 07, 2021. DOI: <https://doi.org/10.1016/j.ejomp.2021.04.018>

**The Spine Robotic System is not available for sale.

For more information on this device, please refer to the User Manual.



Manufacturer: ECENTIAL ROBOTICS

● ecential robotics