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ASIA EDITION

Taiwan's Brain Navi NaoTrac receives European CE mark approval

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Brain Navi Biotechnology is currently searching for strategic partners and early adopters



Brain Navi Biotechnology, a Taiwan-based startup specializing in innovative navigation robots, has received CE mark approval for brain surgery procedures for its NaoTrac, a robotic-assisted surgical robot. As the next step, Brain Navi Biotechnology is looking for FDA clearance.

The NaoTrac is equipped with a high-precision navigation system; the patient registration is performed with a non-contact machine vision process. Surgical instruments are recognized in seconds with its patented registration algorithm.

Surgeons can choose the surgery pathway with a 3D vision for precise anatomical location during the pre-operating planning preparation and monitor the robot during the entire procedure. The unique navigation procedure allows the surgeon to plan and let Surgical Navigation act as an assistant.

This robotic technology is based on a SMART (Surface Mapping Auto-Registration Technology) platform, and is patented by Brain Navi Biotechnology. It is a highly-extensible technology, besides neurosurgery, Brain Navi Biotechnology has an Industry-Academia Cooperation cooperating with Chenggong University of Taiwan to develop a project for liver ablation navigation.