BioSpectrum the business of Bio & Health Sciences ASIA EDITION

First-ever spinal surgical hand-held robot from Taiwan makes worldwide debut

September 29, 2022 | News

POINT Kinguide robotic-assisted surgical system makes its debut in the United States



Taiwan-based startup Point Robotics MedTech Inc. has received 510(k) clearance from the US Food and Drug Administration (FDA) for its minimally invasive surgical robot, POINT Kinguide Robotic-Assisted Surgical System.

This premarket notification marks both Taiwan's very first FDA-cleared surgical robot and the first ever hand-held robot framework equipped with a parallel manipulator for orthopedic application in the world.

Point Robotics is preparing for CE marking in Europe and registration certificate in China to jump start global deployments and to access international markets.

An integrated surgical system including both image-guided navigation and hand-held drilling features, the "Kinguide Robotic-Assisted Surgical System" streamlines procedural tasks and considerably reduces surgeon's burdens during spinal fusion surgeries, and its outstanding performance on precision, stability, and reproducibility of robot motion can improve the surgical outcomes which used to strongly rely on the experience of the surgeon.

The major difference between Point Robotics' product and the others is the expandability of the indication for more complicated Herniated Disc Decompression surgery enabled by the unique parallel manipulator mechanism.