

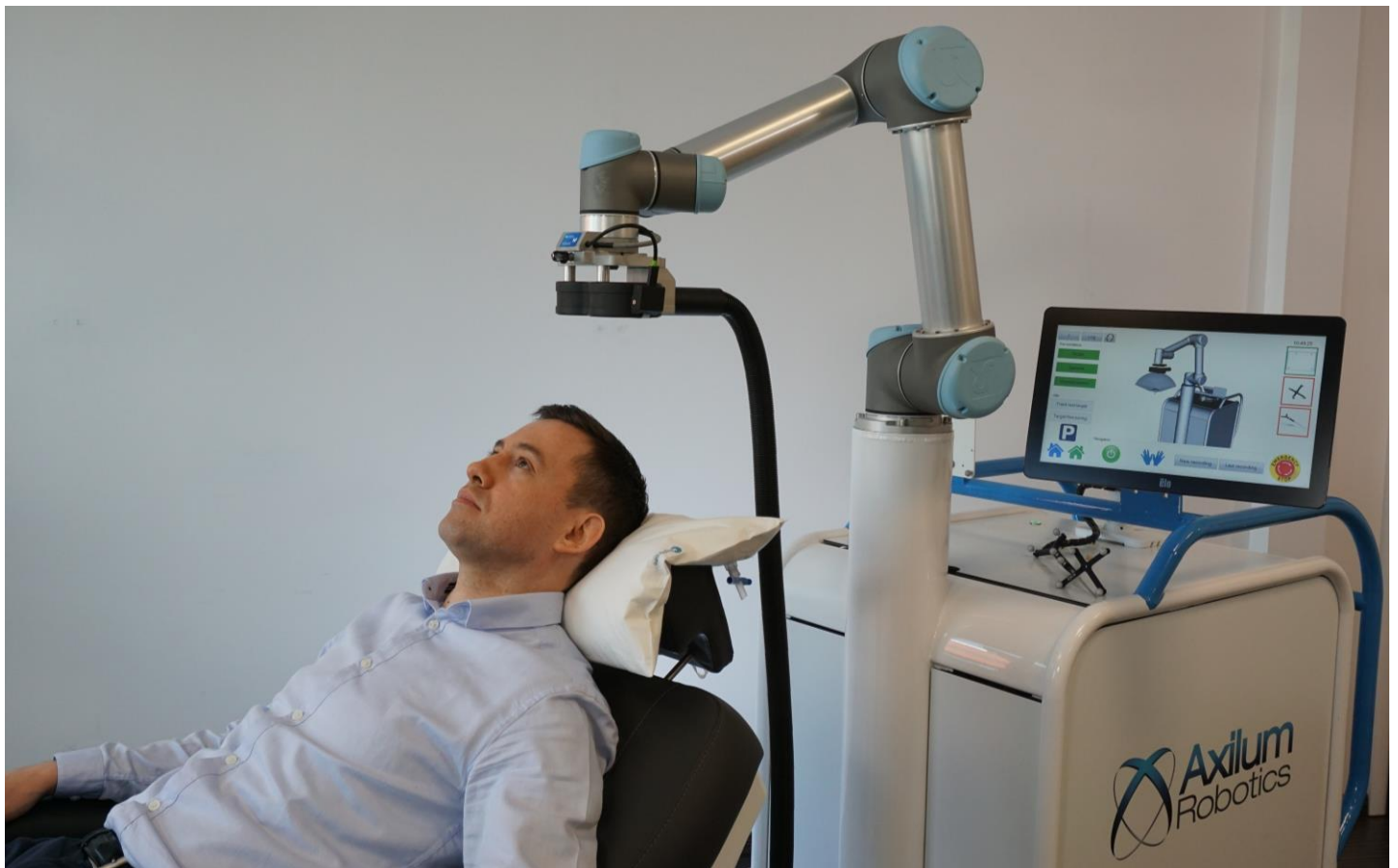
Axilum Robotics TMS-Cobot receives CE mark

Built on the company's new collaborative robotic platform, TMS-Cobot improves the implementation of Transcranial Magnetic Stimulation

Strasbourg, January 29 2019 - Axilum Robotics, specializing in the development of medical robots, announces that the company has received CE mark for its TMS-Cobot, intended to automate and improve the accuracy and the repeatability of the positioning of a Transcranial Magnetic Stimulation (TMS) coil.

After having successfully developed and launched TMS-Robot, the first robot designed to assist health care professionals for Transcranial Magnetic Stimulation, based on a proof of concept of ICube laboratory in Strasbourg, Axilum Robotics has reinforced its expertise in medical robotics with the development of a new platform based on collaborative robotics technology.

TMS-Cobot, the first medical device built on this platform, allows the company to extend its range of robotic solutions for TMS with a more affordable and versatile system, thanks particularly to a proprietary optical tracking system, allowing the control in real time of the position, the orientation and the contact of the stimulation device, with patient head motion compensation.



TMS-Cobot, the second robotic TMS solution of Axilum Robotics

“Transcranial Magnetic Stimulation is a rapidly expanding, non invasive neurostimulation technique and there is an increasing awareness of its current suboptimal implementation when the coil is hold manually during sessions of more than 30 minutes, or attached to a passive holder, requiring the patient to stay perfectly still. TMS-Cobot will allow us to better answer to the needs of the TMS therapeutic market by providing an affordable solution to improve the precision of the procedure while delivering the operator from a demanding and time consuming task and reducing the constraints for the patient. It is important for the user to maximize the chance to deliver the stimulation dose at the right location and our medical robots make this possible!” explains Michel Berg, CEO of Axilum Robotics.

About Axilum Robotics

Axilum Robotics was founded in 2011 in Strasbourg, France, by a team of leading experts in medical robotics. The objective of the company is to provide researchers and health care professionals with robotic solutions to improve both technical medical procedures and medical resources management.

In 2013, the company launched TMS-Robot, the first CE marked medical robot specifically designed for Transcranial Magnetic Stimulation.

TMS is a non-invasive neurostimulation technique. Its applications are numerous, ranging from neuroscience research to the treatment of drug resistant neurological or psychiatric diseases. The procedure is usually implemented manually or with a fix stand supporting the coil.

Axilum Robotics is ISO 13485 certified for its Quality Management System since 2013.

In 2018, Axilum Robotics has launched TMS-Cobot, built on the company's new collaborative robotic platform.

More than 20 centers from 10 countries have already been equipped with Axilum Robotics devices

Beyond its activities in Transcranial Magnetic Stimulation, Axilum Robotics is member of a consortium developing an innovative device to open the blood brain barrier with ultrasound (3BOPUS, supported by the French National Research Agency) and member of a consortium developing a device for the treatment of bone metastases by ultrasound (UFOGUIDE, supported by the French Fonds Unique Interministériel)

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The image guided and robotized TMS system in clinical use at CEMNIS center, Strasbourg University Hospital, with TMS-Robot, Axilum Robotics' first medical device.

Products TMS-Robot and TMS-Cobot are manufactured by Axilum Robotics. They are Class IIa medical devices intended to automate and improve the accuracy and repeatability of the positioning of a Transcranial Magnetic Stimulation (TMS) coil, in the clinical situations where compatible TMS devices are intended to be used, with the exception of peripheral nerve stimulation. They bear the CE marking 0120 whose conformity assessment has been established by the notified body SGS. Read the user manual before any use. These medical devices are not reimbursed by French health insurance.