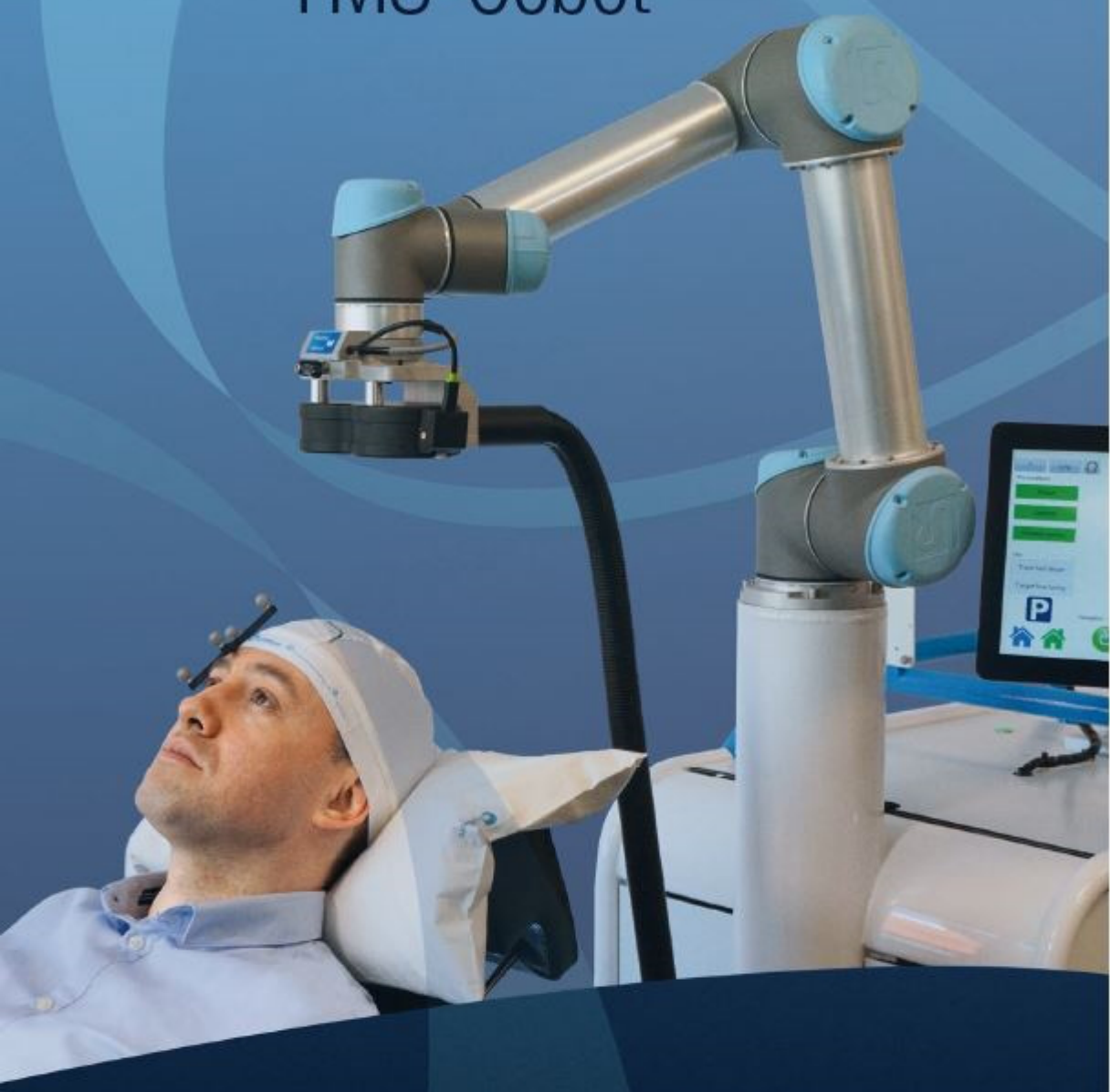
Axilum® Robotics

TMS-Cobot



A new robotic solution for Transcranial Magnetic Stimulation

KEY FEATURES

- **Collaborative robotics "cobot" technology** (designed for interaction with humans)
- **Maintains position and orientation** of the TMS coil during the session (optical tracking)
- **Compensates for potential head motion** during the TMS session
- **Maintains contact between coil and head** (integrated contact sensor)

KEY ADVANTAGES

FOR THERAPEUTIC USE

- **Precise TMS delivery** Accuracy of the robotic arm is within 2 mm
- **Relieves the operator from a demanding and time-consuming task**
- **Reduces the movement constraints on the patient**

FOR RESEARCH

- **Reduces interoperator variability**
- **Eases implementation of complex stimulation protocols**

INTENDED USE

CE MARK (EU)

TMS-Cobot is manufactured by Axilum Robotics. It is a Class IIa medical device 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.

FDA 510(K) CLEARANCE (USA)

TMS-Cobot TS MV is a computer controlled electromechanical arm indicated for spatial positioning and orientation of the treatment coil of the MagVenture TMS Therapy system.

COMPATIBILITY

TMS-Cobot can be piloted either by Axilum Robotics optical Tracking System (no MRI guidance) or by a compatible neuronavigation system (MRI guidance)

For further information about compatibility between TMS-Cobot and other TMS equipment (stimulator and coil, neuronavigation system), contact us at info@axilumrobotics.com.

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