MagVenture
Research. Treatment. Results.

MAGVENTURE ATLAS™

Neuro Navigation System – Stay on course

MagVenture Atlas™ Neuro Navigation System is a high-precision coil positioning system for the clinical application of transcranial magnetic stimulation (TMS).

Atlas™ uses the patient's unique MRI data set for very precise, individualized coil positioning – targeting the exact treatment spot and making it easy to consistently reposition the coil for repeat treatments.

Atlas™ offers a number of benefits compared to the marking plate method (though this is a reliable and effective method) and other coil positioning systems that use infrared camera tracking.

- High precision and accuracy due to world leading tracking technology from **NDI**
- Allows for personalized coil positioning
- Consistent and easily repeatable coil positioning
- Increased patient involvement increases confidence and trust
- No line-of-sight issues and a lower price point compared to camera tracking
- Lightweight, compact and easy to set up
- FDA cleared for clinical use
- User-friendly interface

MAGVENTURE ATLAS™ NEURO NAVIGATION SYSTEM – STAY ON COURSE

High precision, easy and reliable
By utilizing the patient's unique MRI data set, Atlas™ provides very precise, individualized TMS coil positioning.

Streamlined and time-efficient workflow
Atlas™ uses a time-saving automated workflow including facial marker settings, individual brain target placement (such as DLPFC for depression treatment, and fully automatic 3D brain segmentation). After the MRI scan is imported, Atlas™ prepares the set-up for real-time navigation.

Consistency and repeatability
The automated workflow significantly reduces treatment variability and allows for easy, highly consistent treatment repetition. As a clinic manager and clinician, you can feel confident that you will perform TMS treatments with consistent coil placement every time. As a clinician you will also benefit from the increased level of trust that Atlas™ instills in patients.

Engagement, trust and confidence
Because patients can follow a visual representation of their MRI combined with real-time pulsed Electro Magnetic (EM) tracking of the treatment coil in relation to their head position, they are more involved in the process and may experience greater trust and confidence in the accuracy and consistency of treatments. Atlas™ showcases leading-edge technology and provides a streamlined and sophisticated experience for the patient.

Compact, portable and user-friendly
Because Atlas™ uses pulsed Electro Magnetic (EM) trace technology, it has fewer components and takes up less space than systems that use infrared camera options. Atlas™ is lightweight, compact, and easy to set up. It also has a user-friendly interface.

Pulsed Electro Magnetic (EM) tracking
EM tracking from world leader **NDI** is used for many types of medical procedures including surgery. When used for TMS coil positioning, it offers several benefits. EM tracking eliminates line-of-sight requirements, allowing the operator freedom to move both themselves and other equipment around the patient. EM tracking technology is also more affordable than camera tracking options.

No interference issues
When using Atlas with MagVenture's own equipment there are no issues with interference or distortion as all of MagVenture's products have been tested to ensure that they are compatible. Interference by non-MagVenture products can be an issue with EM tracking, if they do not have the correct technical set-up.

Cyber-security
Atlas offers a secure and compliant system for hospitals and clinics that allows integration with certain networks.
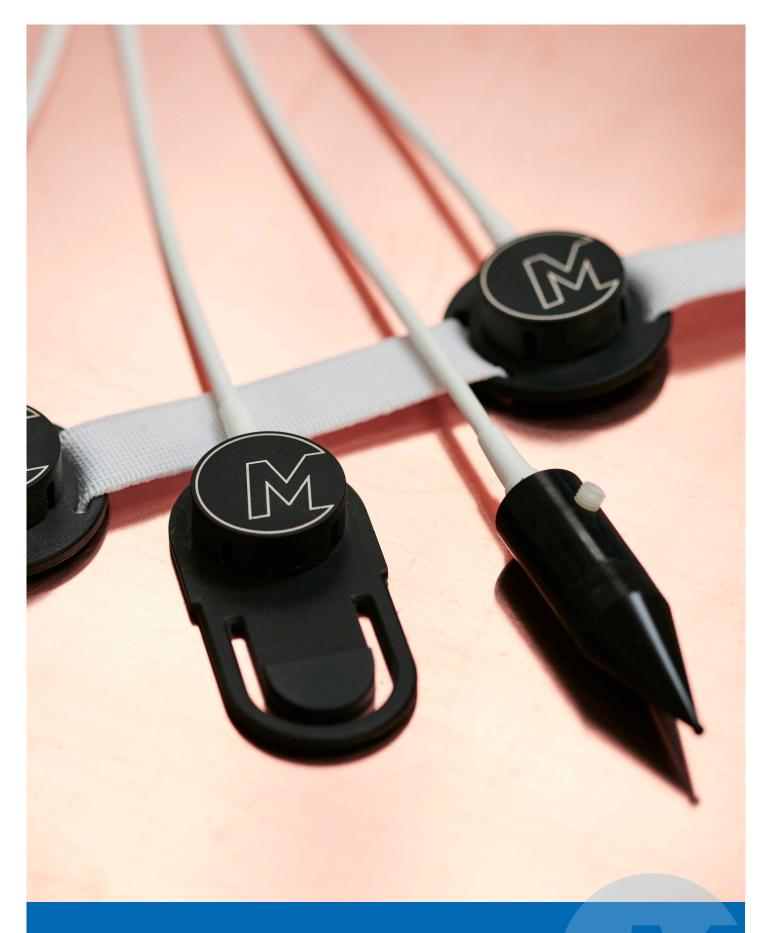
Extensive training videos and resources
When you purchase Atlas™, you will get on-site installation and training as well as access to a repository of comprehensive training videos, resources, and support information.

NDI

View Atlas™ video

The MagVenture TMS Atlas Neuro Navigation System is a neuro navigation system indicated for accurate positioning of the treatment coil of the MagVenture TMS Therapy system with respect to target brain regions based on data obtained from MRI measurements. Specifically, the MagVenture TMS Atlas Neuro Navigation System is indicated for use with the following MagVenture treatment coils manufactured by Tonica Elektronik A/S: C-B60, Cool-B65, Cool-B70, Cool D-B80, MCF-B65, MCF-B70, and C-B70.

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