



microTargeting™ Solution for PMT Depth Electrode Placement

Patient-specific stereotactic system that allows a surgical team to quickly place an unlimited number* of PMT SEEG depth electrodes using PMT skull bolts, drill and wrench

FHC's microTargeting solution for PMT SEEG depth electrode placement provides guidance for the PMT 2.5mm drill and 2.5mm wrench to accurately place PMT Anchor Bolts and Depth Electrodes using WayPoint™ bone anchors serving as fiducials, and a patient-specific microTargeting Multi-Oblique Platform created with WayPoint Navigator software. Over twenty independent trajectories may be configured with a single platform. Once the platform is attached, all of the trajectories are available for implantation. This allows for rapid progression between trajectories as well as the possibility of simultaneous use by multiple surgeons.

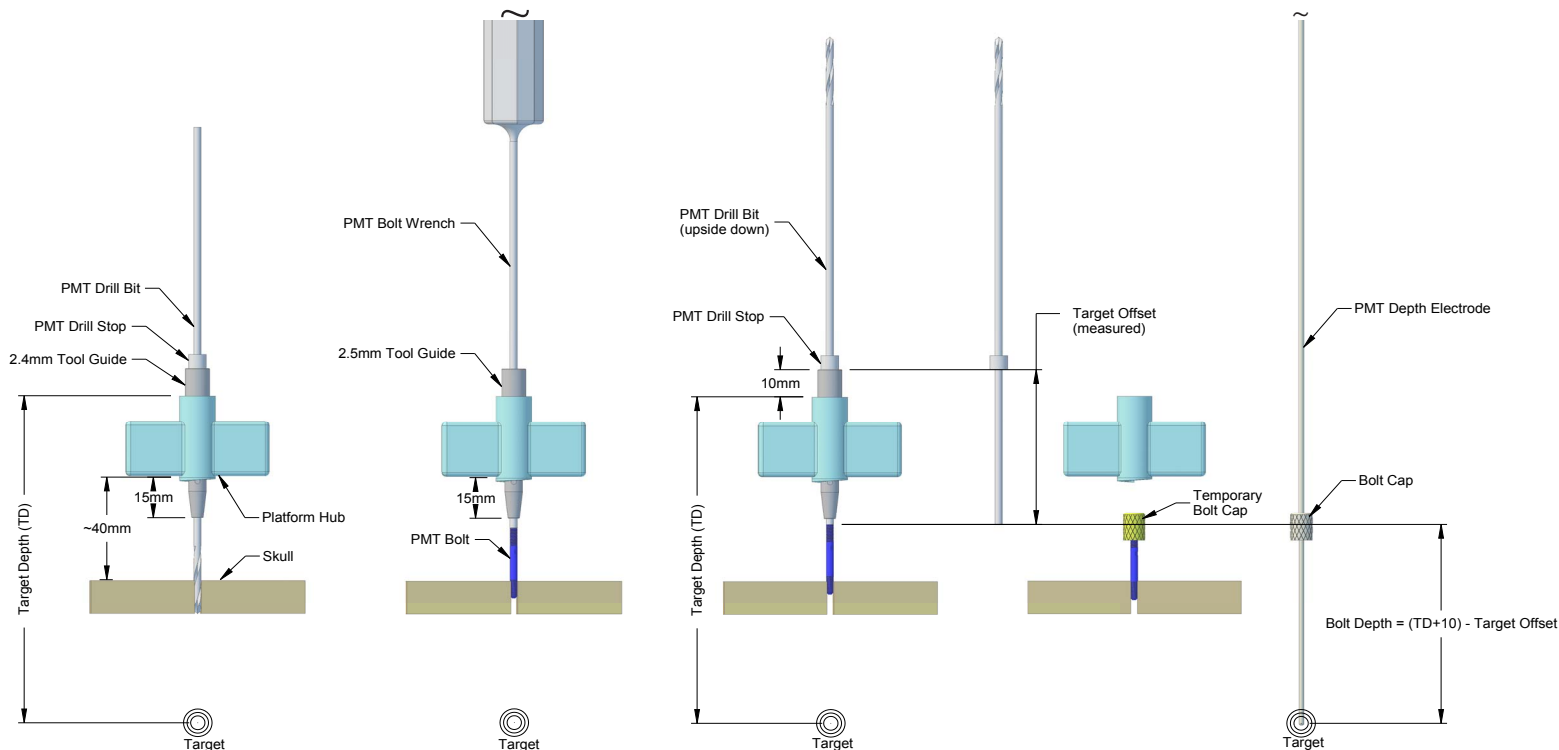
FHC also offers both a microTargeting solution for Visualase® Laser Ablation and one for NeuroPace RNS® System, that allow both localization and treatment to be performed using the same technology.

* "There is no practical limitation to the number of electrodes that can be implanted."

Dewan MC et al. J Neurosurg. 2017 Dec 15:1-9. doi: 10.3171/2017.6.JNS17881

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- ✓ WayPoint bone anchors serving as fiducials are placed in clinical setting 7-28 days before surgery
- ✓ Patient-customized platform quickly attaches to bone anchors in OR
- ✓ No restrictions on positioning of the anchors, selecting the trajectory entry point or orientation
- ✓ Anchors and scans may be reused for subsequent microTargeting treatment solutions
- ✓ Supports implantation of all SEEG depth electrodes using a single platform
- ✓ Platform delivered to hospital in 5 days



Procedure Overview:

1. Use 2.4mm Tool Guide (66-MO-04) to guide PMT drill through Skull.
2. Use 2.5mm Tool Guide (66-MO-05) to screw PMT bolt into the hole using PMT wrench.
3. Use PMT drill, PMT drill stop and ruler to determine distance from top of bolt to target (refer to figure) and record on trajectory depth sheet.
4. Remove guide and place solid PMT cap on Bolt to prevent CSF leakage.
5. Repeat steps 1-5 for all trajectories, then remove platform.
6. For each trajectory, position bolt cap on lead to distance in step 3 then insert and tighten cap.

Ordering Information:

Reusable tools/planning software:

66-ST-MO – Sterilization tray, ruler, cleaning brush
 66-MO-04 – 2.4mm tool Guide
 66-MO-05 – 2.5mm tool Guide
 66-WP-NV (4.5) – WayPoint Navigator

Per case:

MP-KIT-P-EO – Multi trajectory oblique platform

Additional Items Required for Operation:

(vendor) PMT 2.5mm Drill
 (vendor) PMT Anchor Bolt
 (vendor) PMT 2.5mm Wrench
 (vendor) PMT depth electrodes

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