



# microTargeting™ Solution for DIXI Medical Depth Electrode Placement

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

FHC's microTargeting™ solution for DIXI Medical SEEG depth electrodes provides guidance for the DIXI 2.5mm drill and 2.5mm wrench to accurately place DIXI Anchor Bolts and Depth Electrodes using WayPoint™ bone anchors serving as fiducials, and a patient-customized 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.

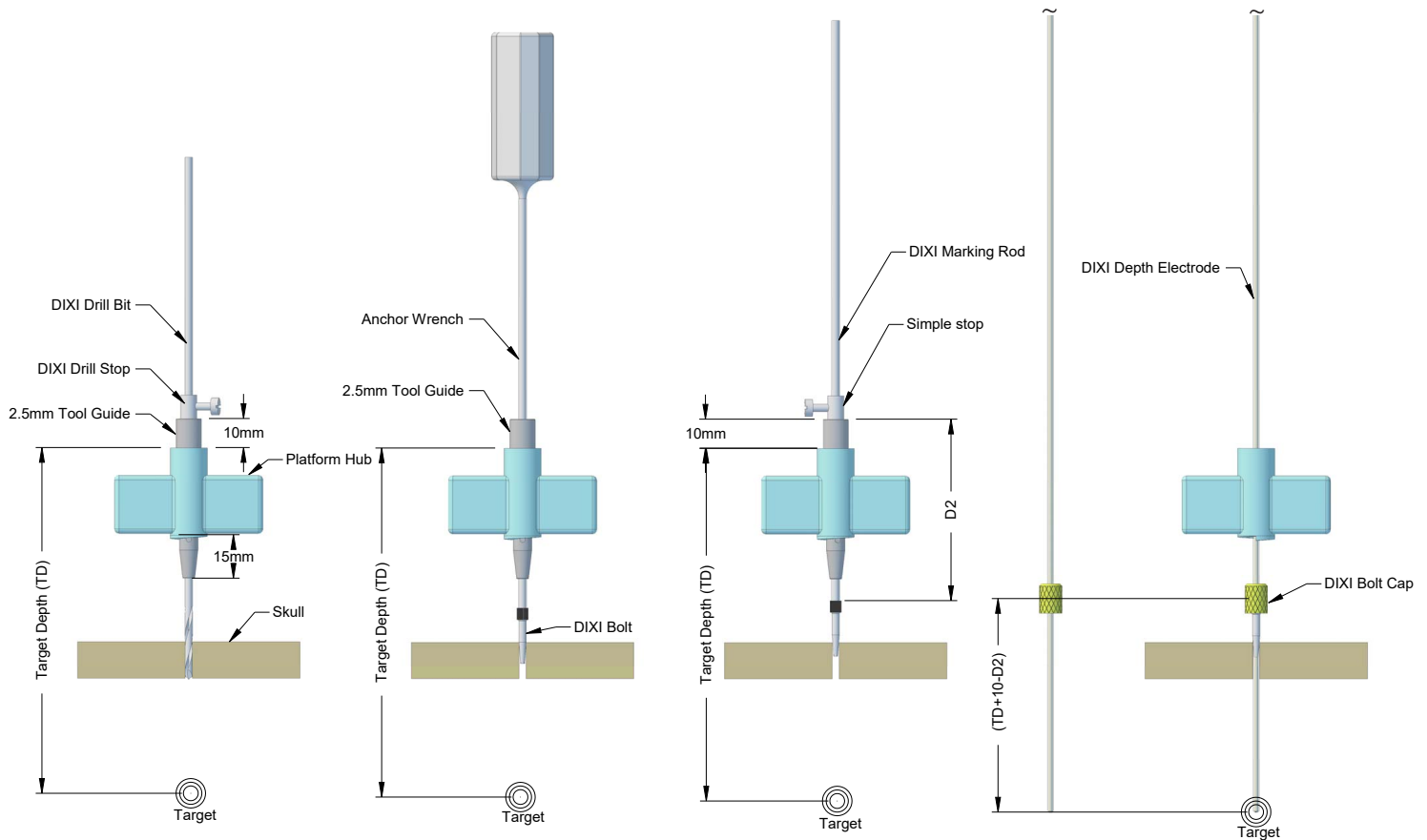
FHC also offers both a microTargeting solution for Visualase® Laser Ablation and one for NeuroPace RNS® System, that allow both localization and treatment to be performed using the same technology.

\* "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 2.5mm Tool Guide (66-MO-05) to guide DIXI drill through Skull.
2. Use 2.5mm Tool Guide to screw DIXI bolt into the hole using DIXI wrench.
3. Use DIXI Marking rod to measure distance from top of guide to bolt.
4. Calculate position for DIXI Bolt cap and position on DIXI depth electrode.
5. Follow DIXI procedure to insert and secure DIXI depth electrode.

## Ordering Information:

### Reusable tools/planning software:

66-ST-MO – Sterilization tray, ruler, cleaning brush

66-MO-05 – 2.5mm Tool Guide

66-WP-NV (4.6) – WayPoint Navigator

### Per case:

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

## Additional Items Required for Operation:

(vendor) DIXI bone starter

(vendor) DIXI 2.5mm Drill

(vendor) DIXI electrocoagulation electrode

(vendor) DIXI skull bolts

(vendor) DIXI 2.5mm Wrench

(vendor) DIXI marking rod and rulers

(vendor) DIXI stylet

(vendor) DIXI depth electrodes

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