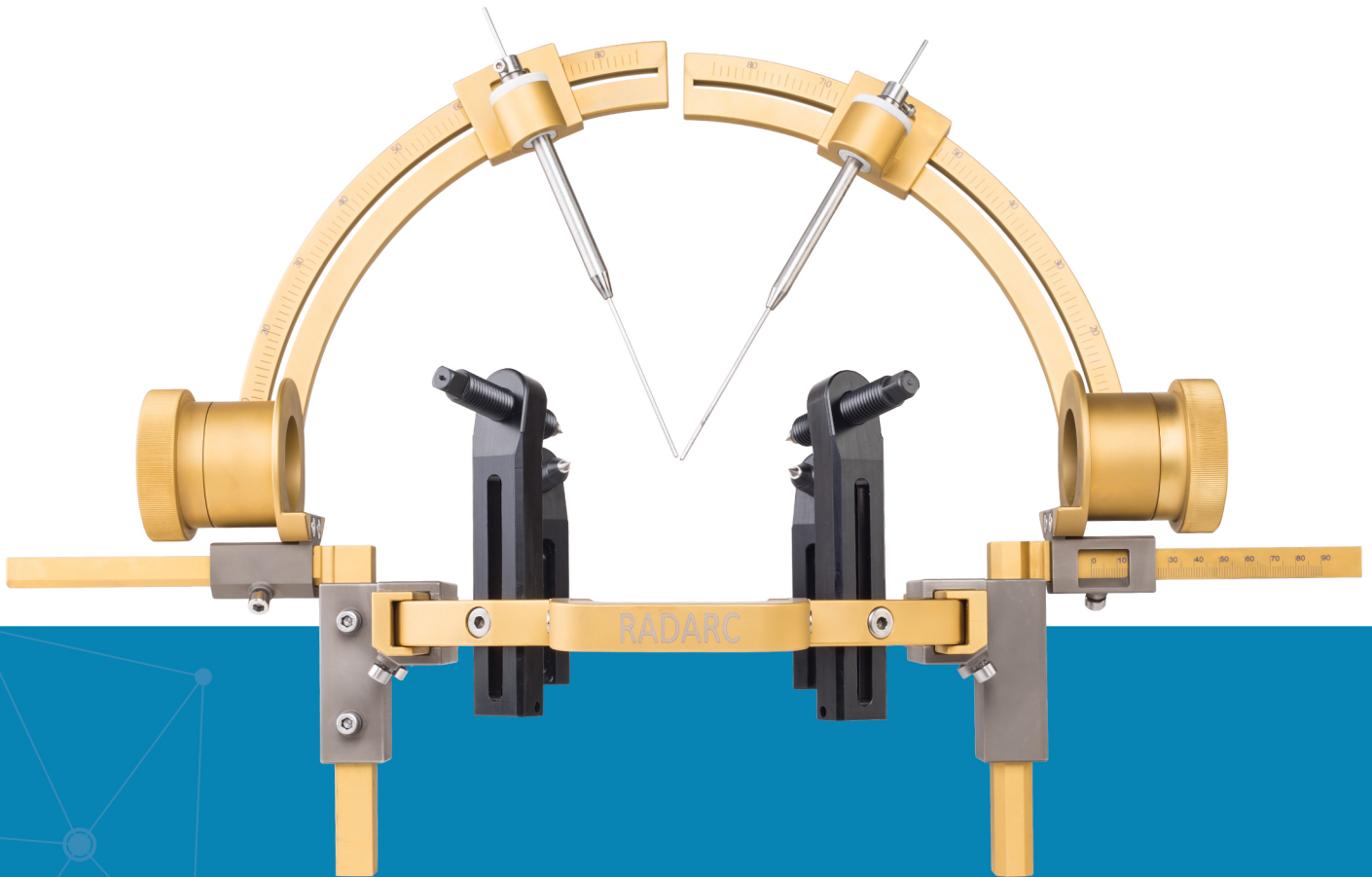




# RADARC

Stereotaxy Demystified



## Radarc Stereotactic Apparatus

A novel Frame based Stereotactic System

## Radarc Frame

The Unique design of the frame makes it a standalone product in the world. Its light weight allows easy handling by the Surgeon. The extension brackets provided for securing the head posts allows rigid and stable fixation in patients of all age groups.

Head posts have measurement scale, making it easy for uniform fixation on all sides. The fibre on metallic hybrid headpin gives a clean cut to the scalp and allows rigid fixation of the skull.



## Fiducial Localizer

Radarc Stereotactic apparatus has separate Localisers for CT and MR imaging. The Transparent design of MRI localizer allows visual confirmation of complete filling of contrast media along the fiducials prior to Imaging.



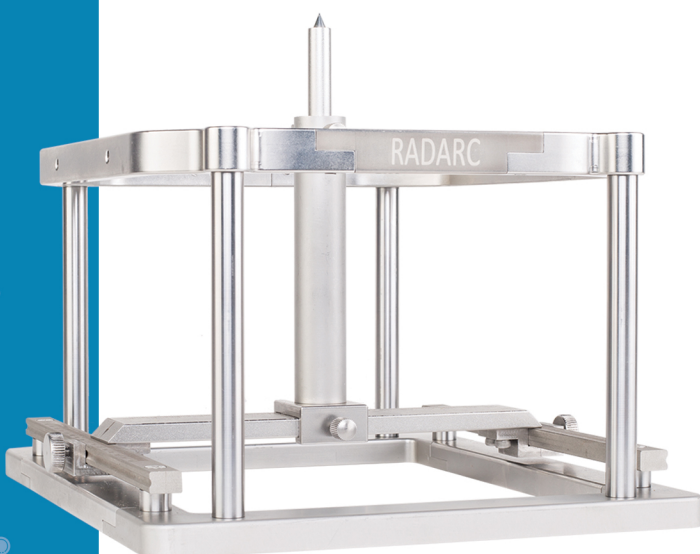
Locking of the Localiser to the RADARC Frame has been made Hassle free with the unique Clamp design.

Provision has been made for removal of the anterior attachment of the Localiser without altering the calculations for Claustrophobic Patients.



## Phantom Frame

Radarc Phantom system allows visual calibration of the efficacy of the system prior to surgical procedure. It verifies the precision of the apparatus.



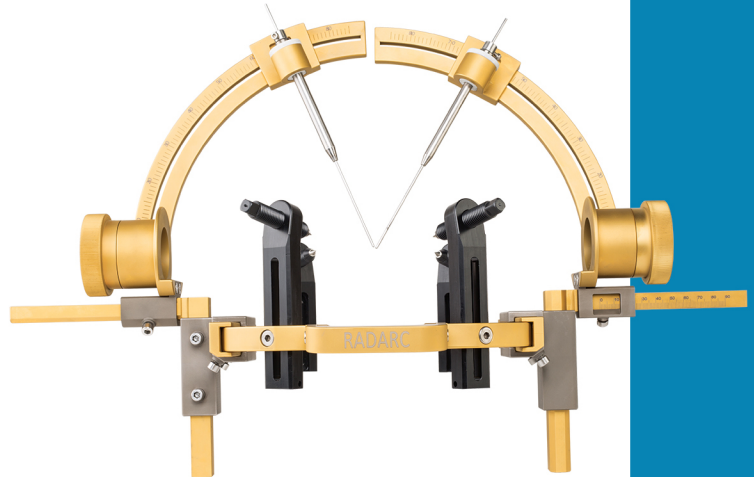
The pointer can be set at the target co-ordinates and the procedure simulated!



## Dual-arc system

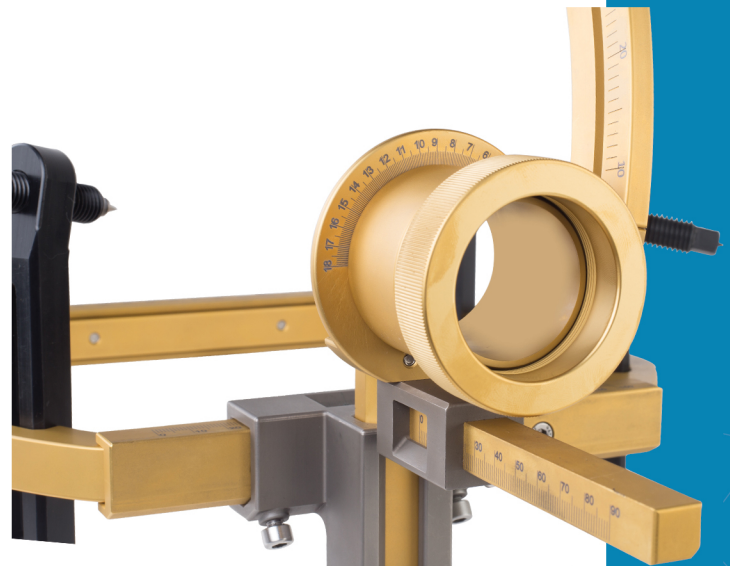
The two hemi-arcs together complete the arc. They can be set at separate coordinates independent of each other, thus allowing the surgeon to target both the cerebral hemispheres simultaneously in real time.

This bilateral target-ability is unique to Radarc Apparatus. It opens a new dimension to Deep Brain stimulation surgeries for Parkinson's disease, where both the electrodes can be implanted simultaneously in real time. This increases the precision of the procedure as it negates brain shift secondary to CSF egress and pneumocephalus, apart from drastically reducing the surgical time of the procedure.



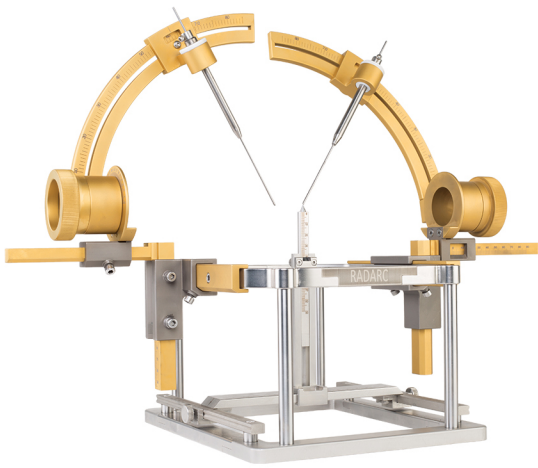
The vertical scale has been designed in two lengths. This is a necessary feature for patients with short neck, the discomfort caused to patient by the Z scale can be thus avoided.

The temporal lobe ring attachment makes it ideal for depth electrode measurement for Epilepsy surgery workup!



- It's an 'on the go' system where the target coordinates can be derived by simple line measurements on the film
- There are no NEGATIVE Coordinate values!

**These Features demystify Stereotaxy and makes it a simple application with a very short and quick learning curve to perfection.**



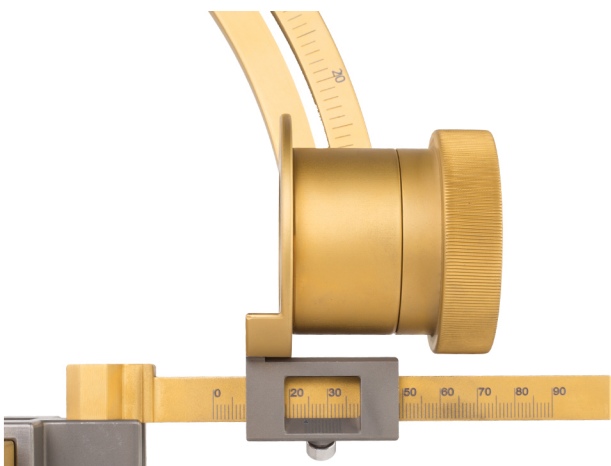
The Radarc simplicity and advantage is best appreciated in the dual arc system. The entire apparatus is easy to set and organize, obviating the need for a assistant. Fewer components and non detachable screw systems are the highlight features.

Hemi arc design of dual arc system makes it ideal for targeting the posterior fossa contents including the brain stem with ease, virtually bringing the entire brain into the gambit of stereotactic reach with ease.



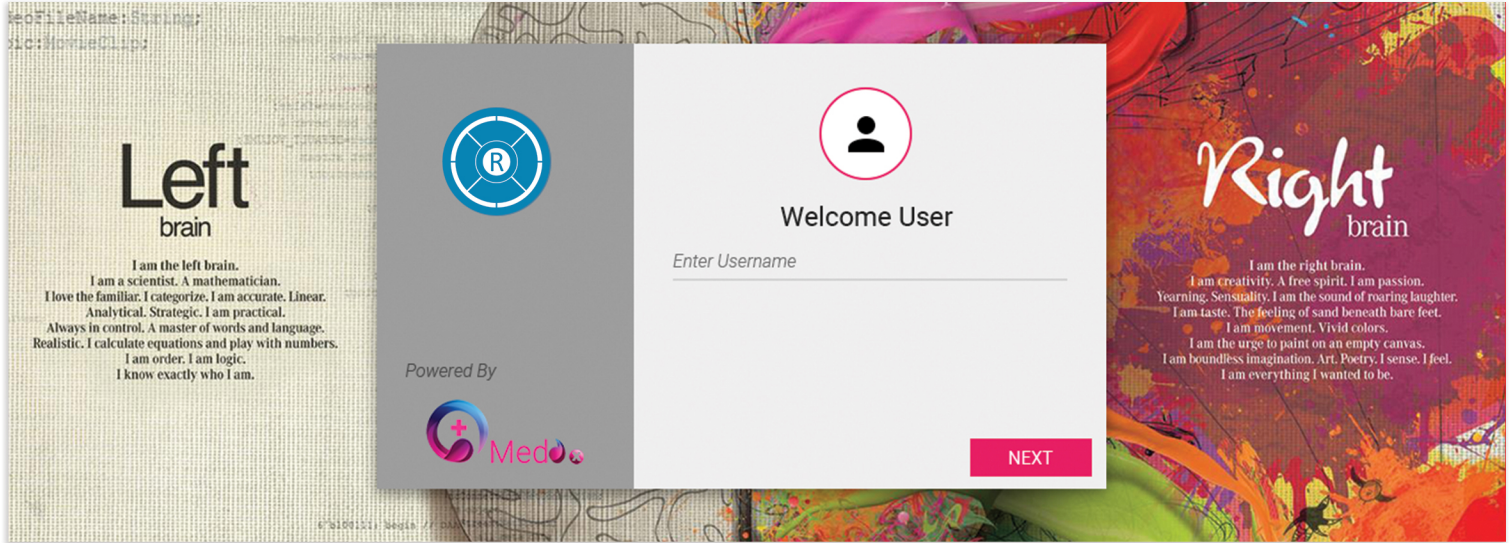
Radarc has been designed to make stereotaxy surgeon friendly, which ultimately would result in better clinical outcome.

- No Maths (No averages.. No mean differences..)
- Avoids Right versus Left Side confusion! We have separate arcs..

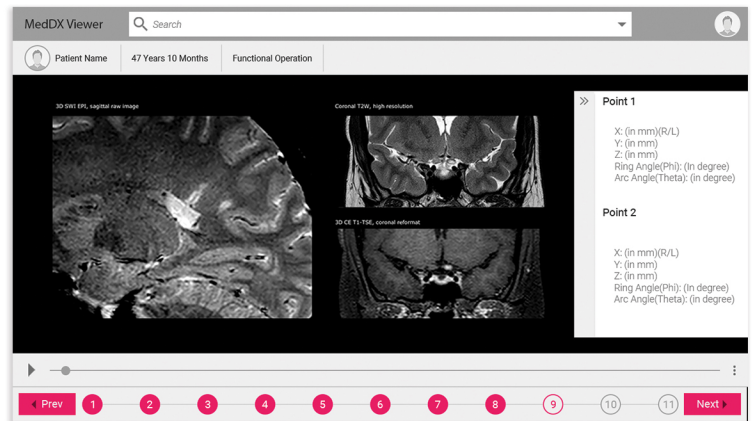




# Radarc Surgery Planner



Software has separate applications for Functional Stereotaxy and other simple target oriented applications such as biopsy. CT and MRI fusion technology allows precise calculation of the targets for better Functional outcome. The handy tips and suggestions virtually serves as a reference guide to alleviate any confusion arising during the planning of the procedure.



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