



HighNoon

Shadow Based
Needle Navigation



CT Interventions Made Easy

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India's first shadow based, CT guided instrument positioning assistant, which helps clinicians in performing high-risk and high-precision percutaneous medical interventions.

Why HighNoon?

In CT-guided biopsies, precision and efficiency is essential. HighNoon enhances accuracy using light- and shadow-based navigation to guide needle alignment along the planned CT trajectory, minimizing trial-and-error while reducing procedure time, radiation exposure, and patient discomfort—without compromising the flexibility of the freehand technique.

Unique Features



Real-time Guidance

Instant shadow feedback



Lower Radiation Exposure

Minimizes scans, safer procedures



Minimal Manipulations

~3% needle correction rate vs. freehand methods



High Precision

~2 mm positional accuracy



Faster Procedural Time

Biopsy time reduced by nearly 50%



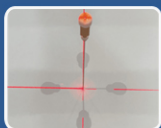
Universal Fit

Compatible with most CT systems

Application Areas

Assists CT-guided procedures for Lung, Liver, Adrenal, Pelvis, Spine and much more.

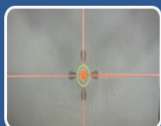
Three Level Confirmation to ensure needle point accuracy



Laser cross hair to align to center of needle hub



All 4 needle shadows to be aligned to the laser cross hair



Needle hub to align to center of green circle on monitor

