

celito

When PSI meets Robotics



Robotic Technology for Shoulder Arthroplasty
Create a Patient-Specific Guide (PSG) in 4 minutes

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4 STEPS in 4 MINUTES

Celito is a groundbreaking technology that combines the best of PSI and robotics to intraoperatively create a PSG (patient-specific guide) in four minutes – whatever the implant.

STEP 1: PLAN



Before or during surgery, Celito's planning software allows you to choose the desired guidewire location based on a CT scan.

STEP 2: IMPRESS



During surgery, an impression of the glenoid surface is taken using a biocompatible and fast-curing impression material.

STEP 3: CREATE



Celito scans the impression, registering anatomical landmarks and drills along the planned guidewire axis. This produces an accurate Patient Specific Guide (PSG) in seconds rather than weeks.

STEP 4: GUIDE



The surgeon refits the PSG on the glenoid and inserts a guidewire through the drilled hole with optimal precision. The procedure continues in the conventional manner.

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How does Celito empower surgeons?

Instant: Generates a PSG intraoperatively, eliminating weeks of delay and logistical concerns.

Implant-agnostic: Combines the best of robotics and PSI technology, without being tied to an implant provider.

Integrative: Fits seamlessly into conventional workflows.

Flexible: Allows plan adjustments, and a reduction in surgery cancellations due to outdated scans.



How does Celito enhance surgery?

Superior: Unparalleled accuracy and precision, outperforming PSI and freehand methods.

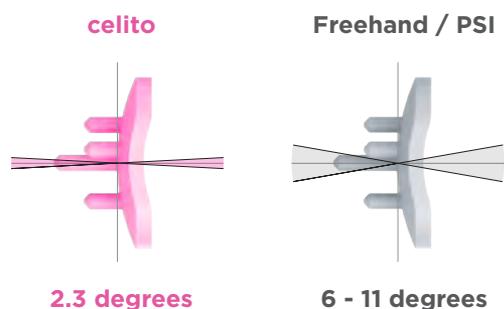
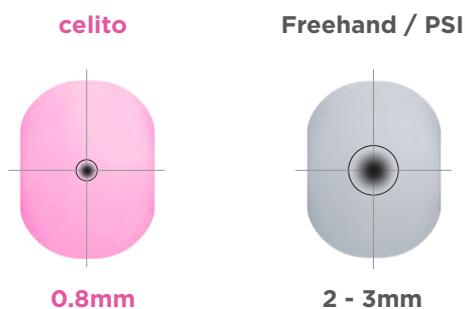
Real-Time: Uses live anatomical data, eliminating fitting errors associated with PSI.

Less Invasive: Avoids the risks related to invasive pins and markers required by alternative systems.

Streamlined: Reduces complexity and variability compared with other methods.

POSITIONAL ERROR

ANGULAR ERROR



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Empowering surgeons.
Enhancing surgery.

Request a demo at
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References

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