Medacta International

NEXTAR™

AUGMENTED REALITY SURGICAL PLATFORM

2022 Orthopedics This Week Spine technology Awards

SPINE

Look **beyond** the **ordinary**

AUGMENTED REALITY

Enhanced visualization to optimize surgery

ADVANCED PLANNING

Data driven personalization



SMART DELIVERY TOOLS

Compact and integrated system

HEALTHCARE SUSTAINABILITY

Efficient and cost-effective

AUGMENTED REALITY

The perception of real-life environments can be enriched with useful information, measured in real-time by the system and displayed on **NextAR Smart Glasses** worn by the surgeon. This is superimposed on the operative field of view in a highly intuitive way, enabling enhanced decision making and optimizing surgery.

LIGHT-WEIGHT DESIGN

PRESCRIPTION LENSES

WIRELESS SOLUTION

INTEGRATED CAMERA

USB CONNECTION

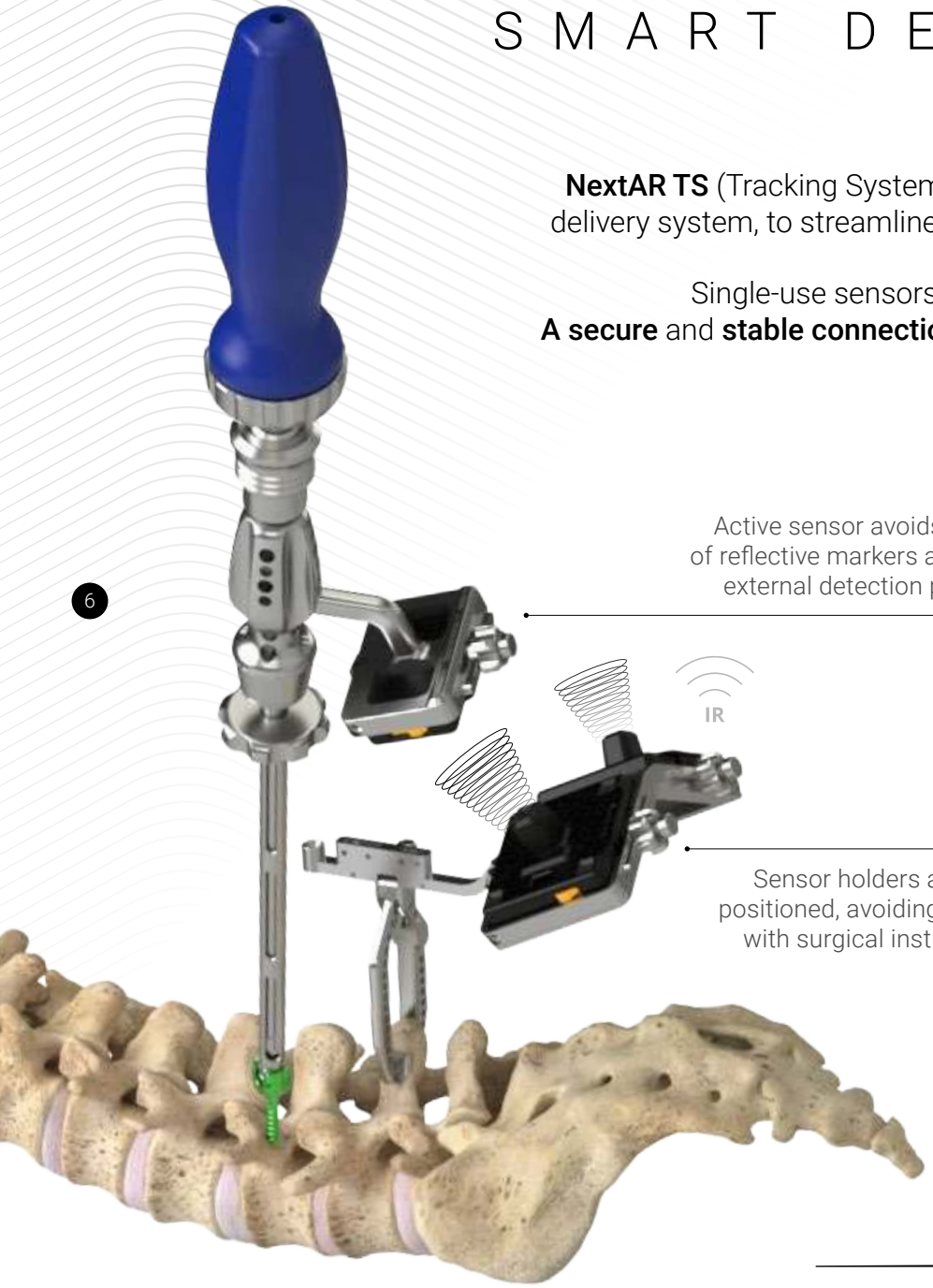


6mm
50mm
L03 Right
3
mm

SMART DELIVERY TOOLS

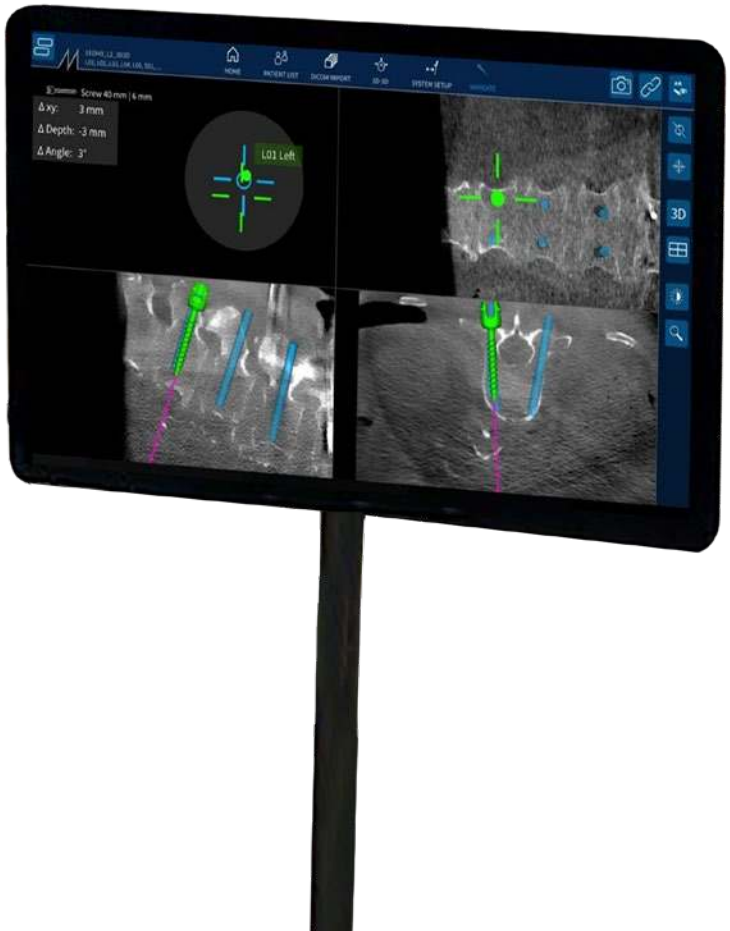
NextAR TS (Tracking System) is made of compact sensors with integrated delivery system, to streamline surgery execution and optimize O.R. efficiency.

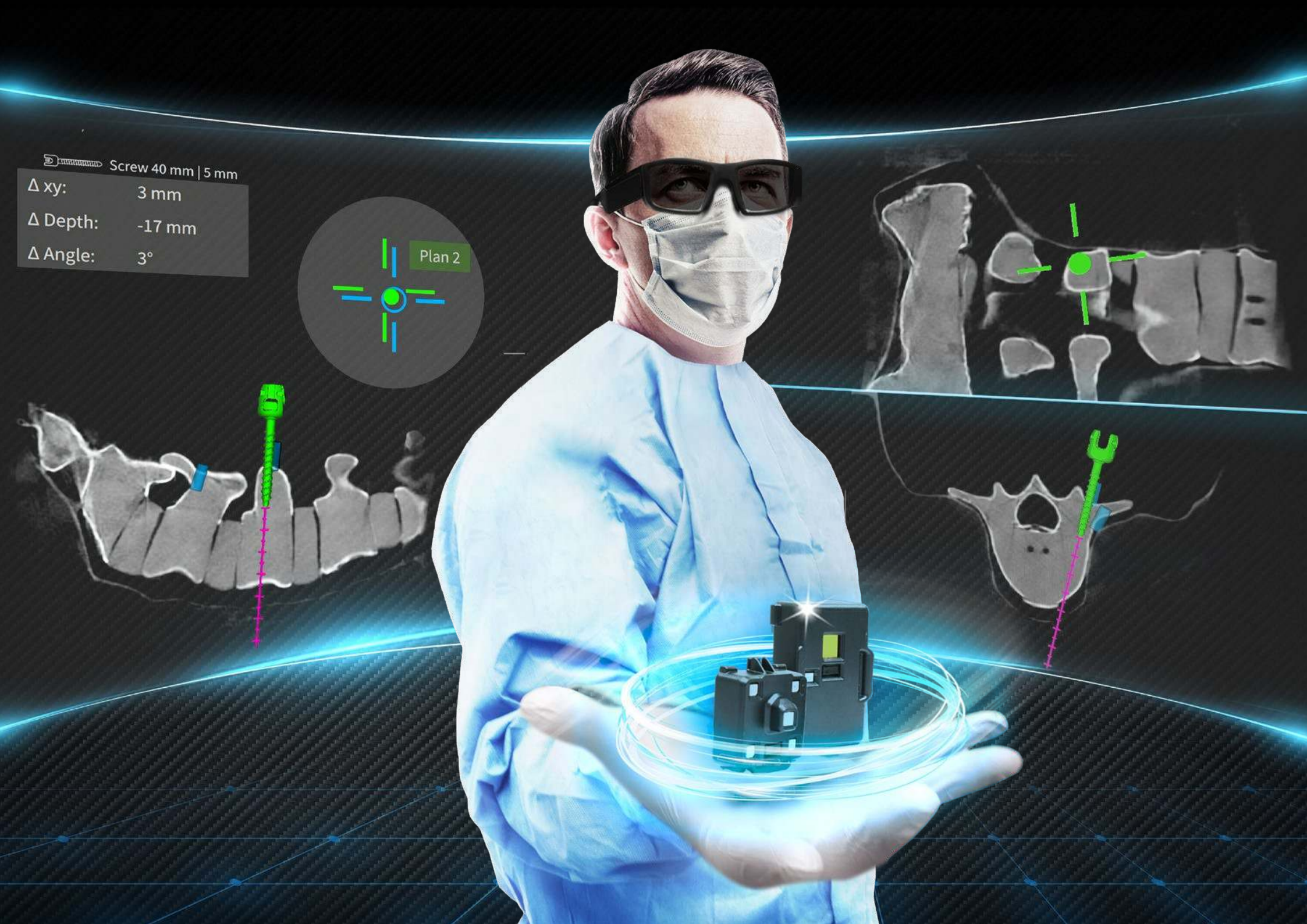
Single-use sensors mounted close to the treated levels.
A secure and **stable connection** enables **fast and accurate real-time tracking**.



Active sensor avoids the use of reflective markers and bulky external detection platform.

Sensor holders are firmly positioned, avoiding contact with surgical instruments.




Screw 40 mm | 5 mm
Δ xy: 3 mm
Δ Depth: -17 mm
Δ Angle: 3°
Plan 2

ADVANCED PLANNING

NextAR, designed around you and your patient, is the latest addition to **Medacta's personalized portfolio**. With one software and one hardware that embrace open, mini-open and percutanous procedures, NextAR gives the possibility to select among two approaches: **3D DIRECT** and **3D-3D**. NextAR Spine spans from degenerative to deformity treatments, including trauma and tumor applications.

3D-3D



PREDICTABLE | SMART | PRECISE

You can **plan** in advance the **ideal placement** of your implants, exploiting a proprietary algorithm, developed by Medacta's engineers based on a 3D model of low-dose CT scan.

3D DIRECT



READY TO USE | PRECISE | ONE CLICK PLANNING

Intraoperatively, you can save the desired trajectories in **ONE click** providing a reliable guided technique.

HEALTHCARE SUSTAINABILITY

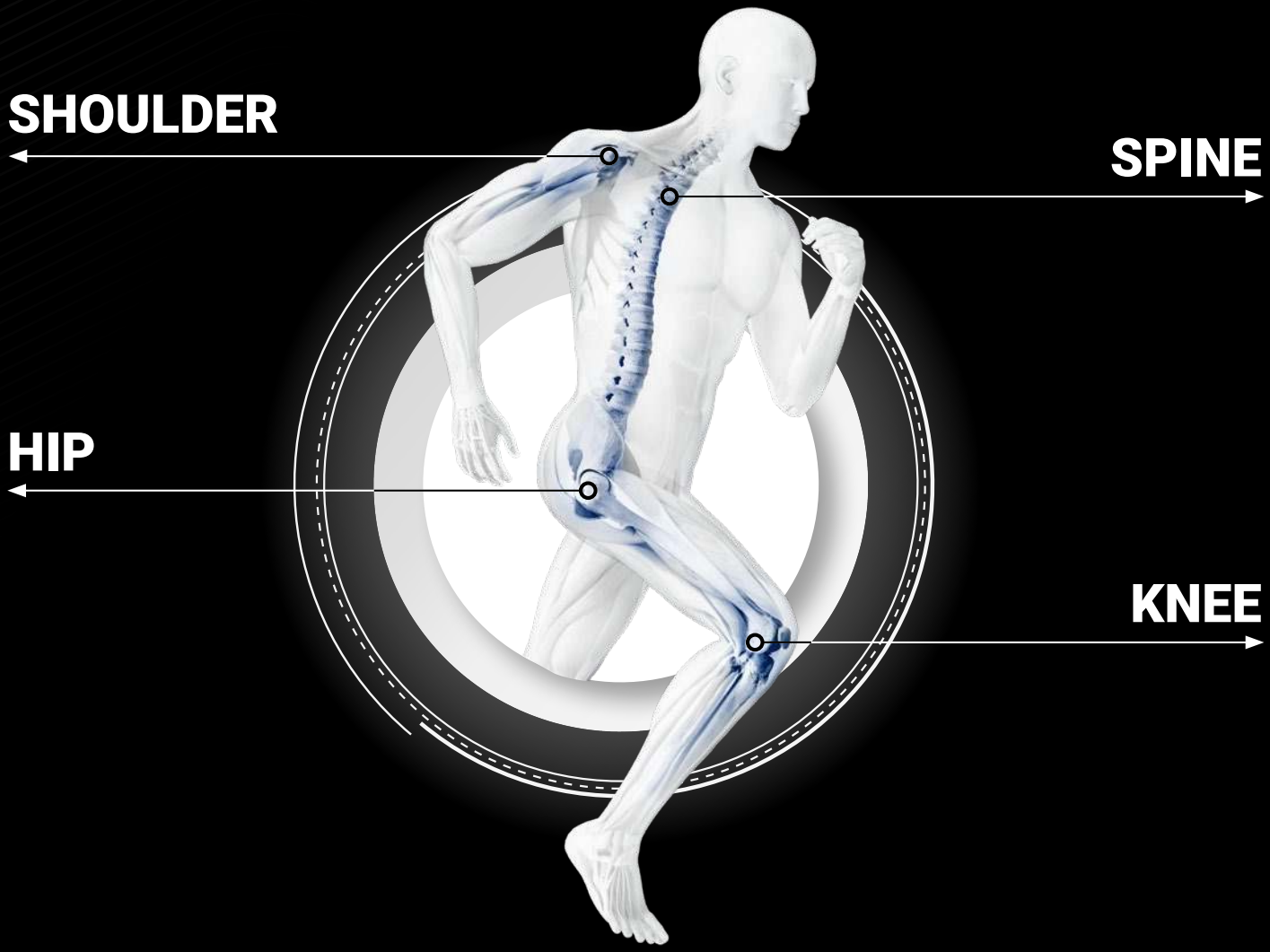
Sustainability is a fundamental pillar of Medacta's strategy, in environmental, economic and social terms. NextAR embodies this philosophy, while providing an advanced system with unique value.

Low capital investment & cost per case

Perfectly suited to ASC as well as hospital usage



A single platform for all your procedures



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