

3D ANALYSIS OF THE SPINE

Spine3D is the new device conceived, developed and produced entirely by Sensor Medica CreativeLab.

Spine3D allows optical three-dimensional acquisition of the spine thanks to a non-invasive and radiation-free infrared technology.

The technology it uses, unlike the X-ray one, allows to carry out repeated analysis on the same subject, without any contraindication.

In addition, infrared rays allow for the acquisition of the morphology of the back in any light condition.

SPINE3D ANALYSIS PARAMETERS

- Length, inclination and imbalance of the spine along the coronal, sagittal and transverse planes
- Spinal deviation and rotation
- Cervical arrow and lumbar arrow
- Angle and depth of lordosis and kyphosis
- Inclination and height difference of the shoulders and pelvis

DATA ACQUISITION

The analysis will be performed by placing the patient at 110 cm from the camera, a position facilitated by the positioner supplied. The acquisition of the patient's back will be very rapid and the patient will have to remain in a natural position with his arms relaxed at his sides. The back must be bare and the intergluteal sulcus visible.



**3D Posture Analysis
with LIDAR Technology**



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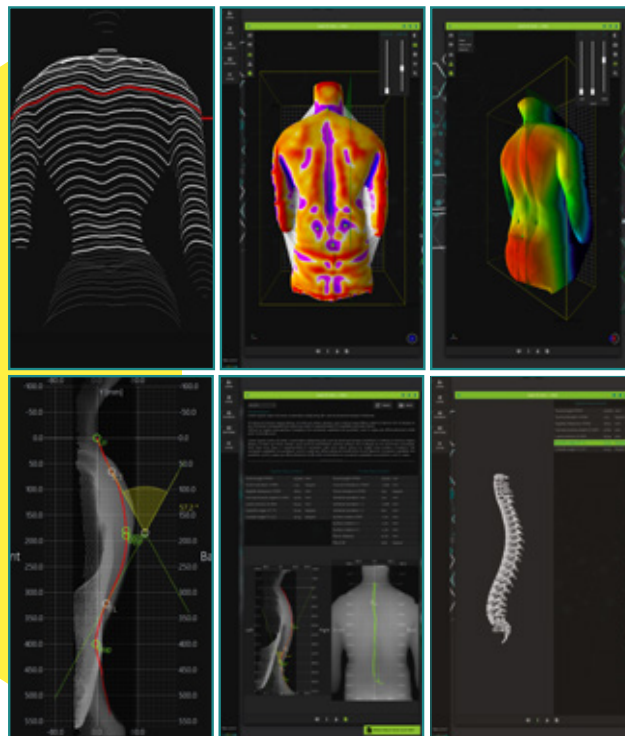
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spine 3D

Posture monitoring
with 3D technology



SPINE 3D PROPRIETARY SOFTWARE, IT'S EASY AND INTUITIVE

The Spine3D system is a ready-to use stand-alone device that does not require installation prerequisites.

The software, designed to offer professionals a new and extraordinary diagnostic experience, offers enriched visualizations, advanced intelligence, simplified workflow and patient-centered assistance.

All this makes Spine 3D a fundamental resource for anyone dealing with posture, rehabilitation and treatment of spinal problems.

Spine 3D is able to scan the patient's spine even in the absence of markers, always providing a faithful reproduction of the spine.

This device offers various clinical parameters, such as posture analysis, scoliosis analysis and all possible deformations of the spine.

In addition, Spine3D provides accessible information and complete reports on posture, spinal curvatures (lateral, frontal and sagittal), rotation of the vertebrae and pelvic position.

