

# 360° VISION

Rapid and real-time, image-rich navigation. Brainlab® 3D and 2D C-arm navigation enhances intra-operative visualization and safety with automatically registered current patient data.

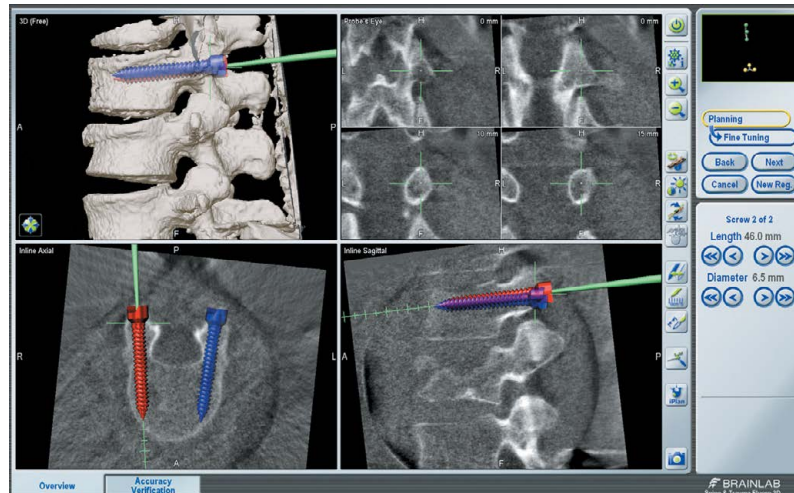


Siemens ARCADIS Orbic 3D



Ziehm Vision FD Vario 3D

Intra-operative 3D C-arm image guidance allows surgeons to navigate in real-time using 3D datasets. Brainlab® 3D C-arm navigation is ideal for less-invasive and complex spine and trauma surgery when pre-operative imaging data does not accurately reflect the intra-operative anatomical condition. 2D C-arm navigation offers surgeons the ability to employ 3D guidance using simultaneous navigation in multiple 2D images for spine and trauma cases.



Spine Navigation on Intra-Operative C-arm Scan

## WELL MATCHED

Automatic Image Registration enables faster and more reliable 3D C-arm navigation through seamless compatibility with Siemens ARCADIS® Orbic 3D, Ziehm Vision Vario® 3D, and Ziehm Vision FD Vario® 3D C-arms.

## FIRST PASS

Brainlab® 3D C-arm navigation results in greater confidence and more accurate screw placement<sup>1</sup>, and is especially advantageous in less-invasive procedures and after fracture reduction. For a wide variety of interventions in trauma surgery, Brainlab® 2D C-arm navigation improves efficiency and first-pass accuracy. The ability to navigate employing critical intra-operative 3D C-arm information, may potentially reduce radiation exposure to the patient and surgical team<sup>2</sup>.

<sup>1</sup> Rajasekaran S, Vidyadhara S, Ramesh P, Shetty AP. Randomized clinical study to compare the accuracy of navigated and non-navigated thoracic pedicle screws in deformity correction surgeries. Spine 2007; 32(2):E56-64.

<sup>2</sup> Gebhard FT, Kraus MD, Schneider E, Liener UC, Kinzl L, Arand M. Does computer assisted spine surgery reduce intraoperative radiation doses? Spine 2006; 31(17):2024-7; discussion 2028

