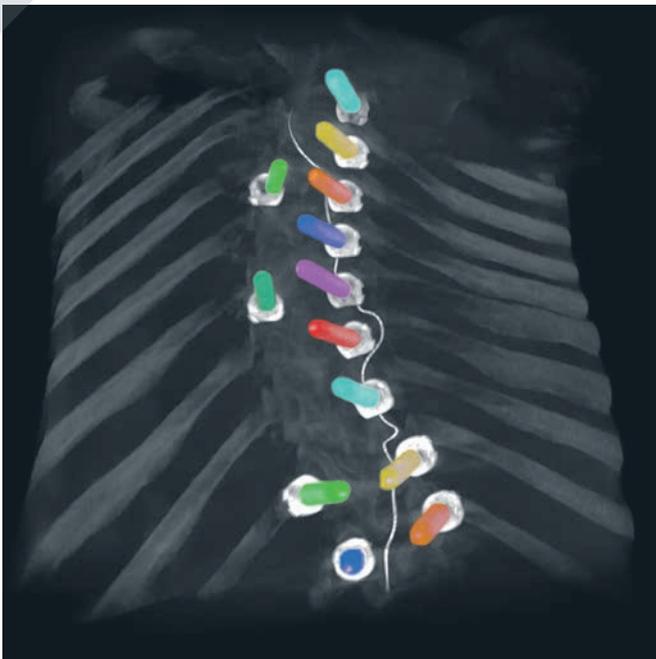




ziehm imaging

# ZIEHM VISION RFD 3D

## Enhanced Screw Visualization



### GAIN CLARITY IN YOUR INTRAOPERATIVE 3D IMAGES AND ENHANCE YOUR WORKFLOW IN COMPLEX PROCEDURES.

Intraoperative 3D imaging has become indispensable in high-end orthopedic, trauma and spinal interventions by enabling the surgeon to check results during the ongoing procedure. The simple and exact assessment of the implant positioning is particularly important.

Ziehm Imaging provides further assistance in the demanding OR routine with our new software feature: Enhanced Screw Visualization that displays the screws in different colors in a 3D rendered image. This means the surgeon can immediately recognize and differentiate between implants, ensuring clear and unambiguous communication during complicated spinal fusions and trauma procedures.

Upgrade your workflow with **COLOR** and gain clarity!

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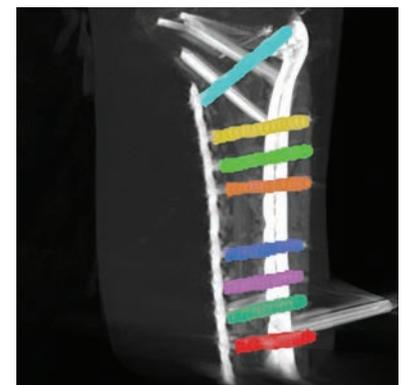
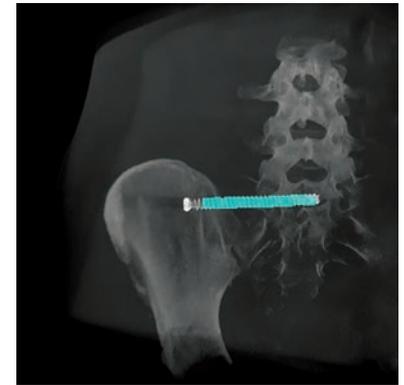


# ENHANCED SCREW VISUALIZATION



## Color-coded differentiation of screws

Especially designed for orthopedic use, Enhanced Screw Visualization offers corresponding color coding on all axes and in volume rendering – saving valuable OR time as a result. The introduction of color to our comprehensive set of software functions improves daily communication in the OR help to boost fast, efficient decision making and ease daily workflows.

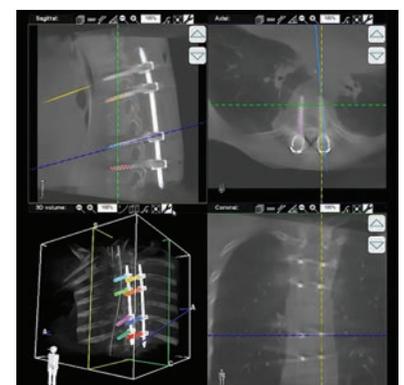


## Precise and time saving

Our 3D C-arms are significantly smaller than fixed C-arms and around 60 % lighter than mobile CTs. Thus, the Ziehm Vision RFD 3D can be easily positioned during all kinds of procedures. Building on more than 18 years of experience in 3D imaging, the Ziehm Vision RFD 3D features cutting-edge CMOS technology, bundling 2D and 3D functionality for greater intraoperative control, reducing the need for postoperative CT scans, and costly corrective surgeries. This mobile C-arm is thus ideal for high-end orthopedic, trauma and spinal interventions as well as for highly specialized maxillofacial procedures.

## At a glance

Imaging technology	CMOS, flat-panel, 31 cm x 31 cm
3D volume size / voxel	16 cm x 16 cm x 16 cm; 320 <sup>3</sup> /512 <sup>3</sup> voxel opt.: 10 cm x 10 cm x 10 cm; 320 <sup>3</sup> /512 <sup>3</sup> voxel opt.: 19.8 cm x 19.6 cm x 18.0 cm; 320 <sup>3</sup> /512 <sup>3</sup> voxel
Detector resolution	3k x 3k
Power generator	25kW, pulsed monoblock generator
Motorization	Full control of the 4 motorized axes
3D scanned information	2D: 165 degrees / 3D: 180 degrees (SmartScan)
Image guided navigation / robotic guidance	Brainlab, Stryker, Globus, Mazor



<sup>1</sup> CMOSline represents a system configuration that is based on a Ziehm Imaging CMOS flat-panel detector.