

Ziehm Imaging Launches First Motorised C-arm for Hybrid ORs



Ziehm Imaging presents a mobile C-arm tailored to hybrid OR requirements. The mobile C-arm is fully motorised in four axes, with joystick operation, intelligent collision protection, maximum image quality and minimal dose levels.

"With the new generation of the Ziehm Vision RFD Hybrid Edition we are offering, for the first time, full motorisation of a mobile C-arm in four axes: horizontal, vertical, orbital rotation and in angulation. Each position can be stored at the touch of a button and called up again at any time," says Klaus Hörndler, managing director of Ziehm Imaging. "This allows the operator to access the desired viewing angles and anatomic visualisations without having to constantly reposition the system on the OR table."

The operator must deliberately touch any two contact points on the joystick (Position Control Center) with the fingers to activate movement of the C-arm – any accidental operation of the C-arm is thus prevented. The joystick module also has a function for defining an isocenter around which the system moves concentrically. In addition to numerous orthopaedic applications (e.g. spine), the isocentric functionality offers added clinical value, in particular for cardiac applications.

Collision protection ensures maximum safety and is guaranteed for the first time with a mobile C-arm via object detection without any contact. The system recognises instruments, human tissue and standard OR materials, and stops within millimetres before it touches the patient or an instrument.

The new Hybrid Edition is the only mobile C-arm to offer an active liquid cooling system (Advanced Active Cooling) in the standard version – this was previously only the case for permanently installed systems. Advanced Active Cooling keeps the generator at a consistent operating temperature and prevents it from overheating. It thus ensures reliable imaging without interruption even during lengthy procedures. The Ziehm Vision RFD Hybrid Edition delivers crystal-clear images with its rotating anode and 25 kW power. SmartDose, a comprehensive concept for dose reduction, combines a host of functions such as laser positioning, ODDC (Object Detected Dose Control), adaptive filtering technology and PreMag (radiation-free magnification), which enables a dose reduction of up to 20% with the same high image quality.

Published on : Mon, 5 Aug 2013