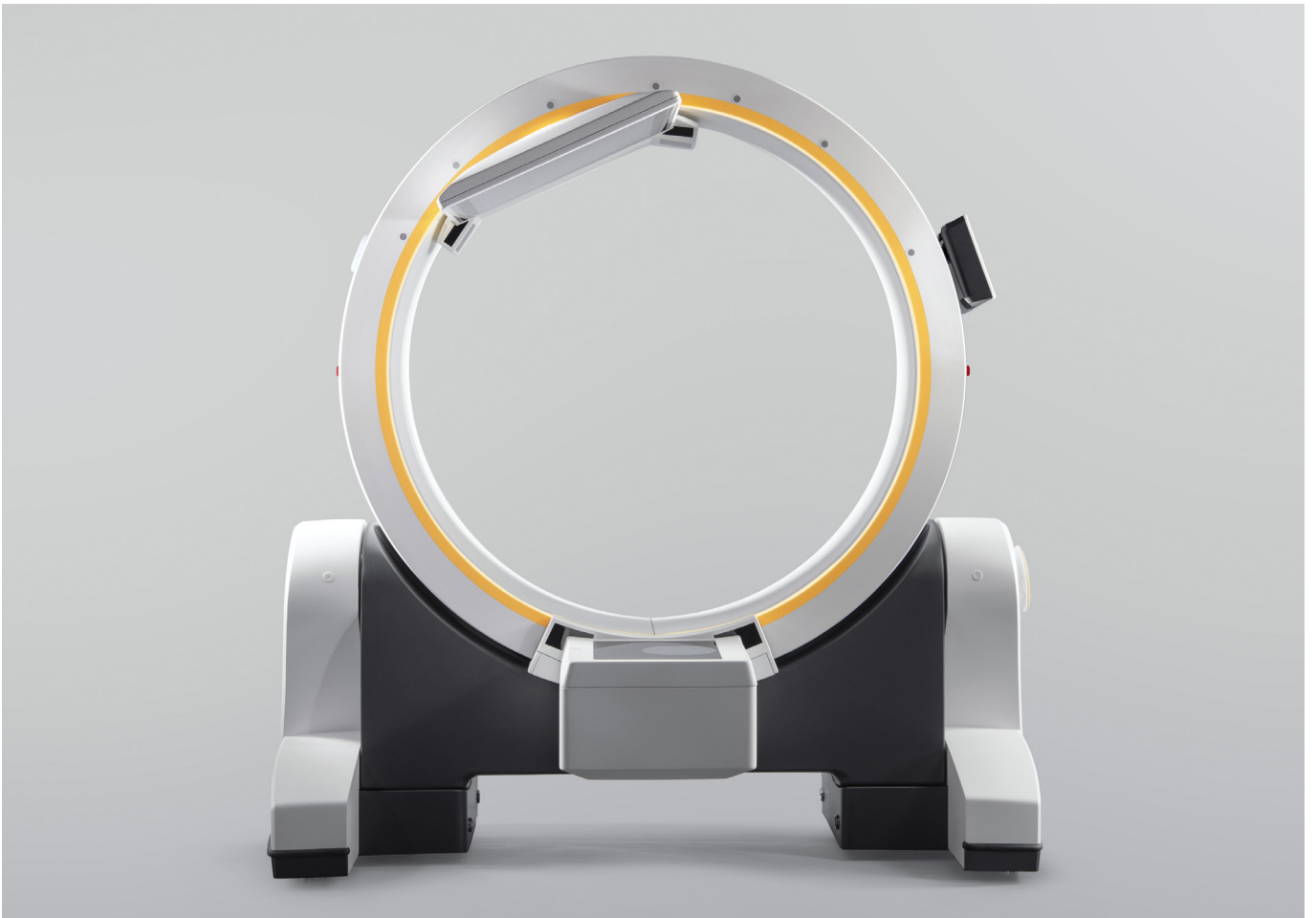
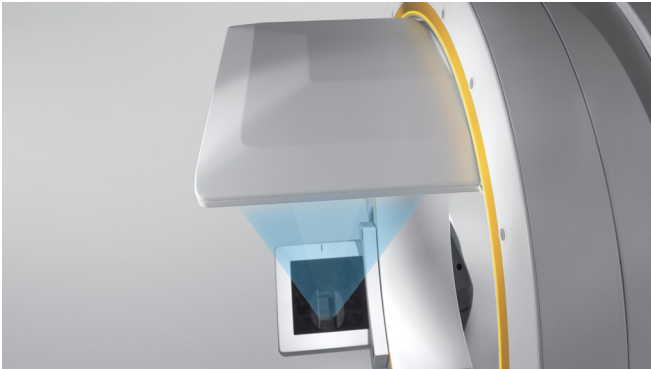


Portfolio

# Loop-X Mobile imaging robot



Loop-X<sup>®</sup> is a closed loop, 2D and 3D mobile imaging robot that redefines how scanner and navigation work together to automate movements that accurately follow the surgical workflow.



### **Adaptive collimation**

Adaptive collimation constantly changes the size and direction of the X-Ray beam to fit the region of interest. As a cone beam CT scanner, Loop-X is capable of generating a 25 x 60 cm 2D field of view and 3D volumes of 25 x 48 cm. With adaptive collimation, you can scan an area as small as 3 x 3 cm, enabling focused radiation to reduce dose by sparing surrounding tissue.



### **Non-isocentric imaging**

The independent movement of source and detector creates a dynamic field of view, enabling non-isocentric patient positioning. In other words, patients don't need to be positioned in the center of the gantry, since the system moves the scan area to the region of interest.



### **Robotics**

Autonomous movement of Loop-X to defined parking and imaging positions creates an efficient surgical workflow. The surgeon can control the system from the sterile field with these stored positions as well as live navigation. Loop-X reduces scanner interaction, ensuring an optimized, time-saving workflow and giving surgeons imaging freedom and control in the O.R.