Medtronic

Mazor X™

FACTSHEET

Spine surgery with robotic guidance

Your spine anatomy is what enables your posture, alignment, and movement. Surgeons use technologies like robotic guidance to visualize and perform corrections that are created for the nuances of your individual anatomy.

The Mazor X StealthEdition™ Robotic Guidance System is a technology that assists with precision and predictability in surgical procedures. With the combination of a computer and specialized software and instruments, our surgeons use this system to **plan where and how they will operate on the spine**. Then an automated robotic "arm" holds key surgical instrumentation in place for the surgeon. The **robotic guidance** helps the surgeon **execute their plan and perform the surgery with precision**.

The Mazor Spine Robotics Guidance System

- Helps the surgeon with procedure planning by providing 3D images on anatomy
- Provides enhanced surgical predictability with robotic guidance
- Enables the surgeon to customize the approach to match specific needs for the patients
- Visualize the anatomy in 3D and the placement of surgical instrumentation throughout the procedure

More predictable. More precise. Better patient outcomes.

Minimally-invasive surgery has been a major focus in recent years, often providing the most advanced technologies along with high quality care for patients. However, minimally-invasive procedures with their smaller incisions can pose a challenge to surgeons due to the limited view of the patient's anatomy. The Mazor Robotic Guidance Platform helps to overcome this challenge with a 3D comprehensive surgical plan and analytics that gives the surgeon comprehensive information and visualization before the surgery starts. Consequently, the Platform supports surgeons' commitment to **operate with precision**.

Before entering the OR, surgeons use the 3D planning functionality to plan an optimal surgery in a CT-based 3D simulation of the patient's spine. In addition, computer analytics provide the surgeon with pre-operative data for procedure planning and intra-operative guidance during the procedure. Using these technologies, the **surgeon may operate with precision, efficiency, and confidence**, ultimately resulting in a **better outcome for the patient**.