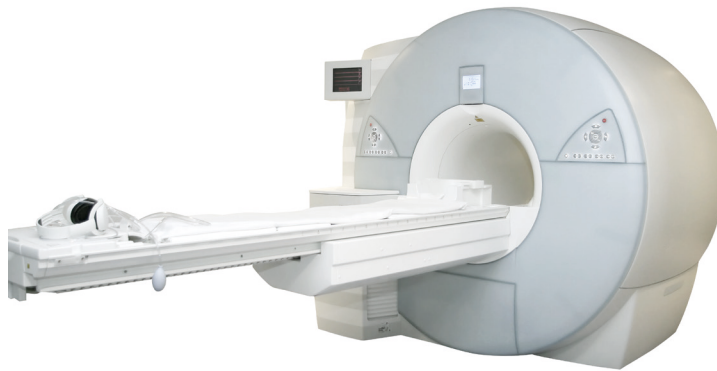


POSITION SENSORS FOR MEDICAL EQUIPMENT

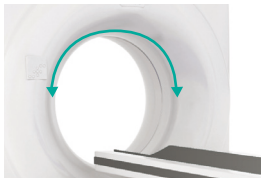


Positioning Diagnostic Imaging Systems

Modern devices used in the healthcare industry demand advanced technology for precise positioning. POSITAL TILTIX compact inclinometers provide accurate measurements and are built to last the life of the equipment. POSITAL LINARIX absolute linear sensors offer a solution for tracking the position of patient tables. For more complex applications, such as fluoroscopy or radiography tables or surgical C-arms, that require coordinated positioning of several components, POSITAL IXARC absolute rotary encoders are an excellent option.

Applications

Scanner Angular Positioning



- > Single (360°) or Dual Axis ($\pm 80^\circ$)
- > Compact and Low-cost
- > Easy Installation

TILTIX Inclinometers



- > Compact Housing
- > High Accuracy: 0.1° / Resolution 0.01°
- > Inclination Range: $\pm 80^\circ$ (2 Axes) or 360° (1 Axis)

Table Horizontal Positioning



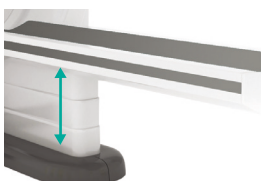
- > Wide Range of Draw Wires
- > Length and Height Measurement
- > High Resolution
- > Durable and Low-cost

LINARIX Linear Sensors



- > Very Cost-Effective Design
- > Linear Accuracy up to 0.35 mm
- > User Defined Programmability

Table Height Positioning



- > Position Monitoring from Several Directions
- > Innovative Multiturn Technology
- > Continuous and Precise Measurements

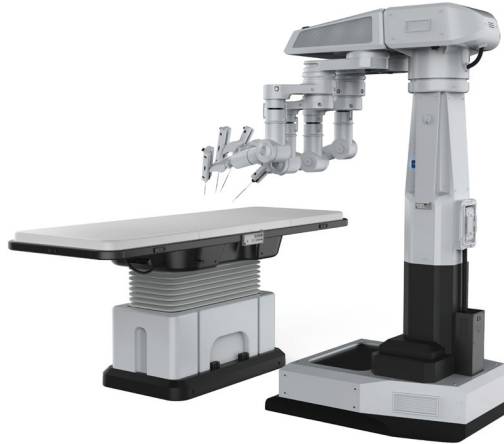
IXARC Rotary Encoders



- > Up to 16 Bit Resolution
- > Compact Size Down to 36 mm Ø
- > Different Mechanical Designs



POSITION SENSORS FOR MEDICAL EQUIPMENT



Optimal Control of Surgical Robots

With more autonomous robotics being introduced to medical applications, POSITAL's family of KIT encoders, whose features include compact size, no battery – no maintenance, high reliability, attractive cost and absolute position feedback, becomes an ideal position sensing solution for state-of-the-art medical equipment such as surgical robots, exoskeletons, ventilators and laboratory automation devices.

Applications

Surgical Robotic Arm



- > Compact Size
- > Low Noise and Resonance
- > High Accuracy
- > Low Maintenance

Hollow Shaft KIT Encoders



- > No Battery and Gear-Free Multiturn Absolute Position Feedback
- > Resolution up to 19 bit
- > Slim design : 18mm thickness

Laboratory Automation



- > Small Frame Size
- > High Accuracy
- > Low Maintenance
- > Standard Mounting

Multiturn Absolute KIT Encoders



- > No Battery and Gear-Free Multiturn Absolute Position Feedback
- > Compact design: 36 mm and 22mm diameters

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