

Application

Mazor X™ with advanced robotic guided technologies supports high requirements of predictable surgical procedures.

Requirements

- Hollow shaft
- High precision
- Low profile
- Resistance to magnetic field

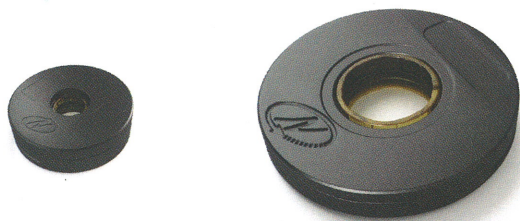
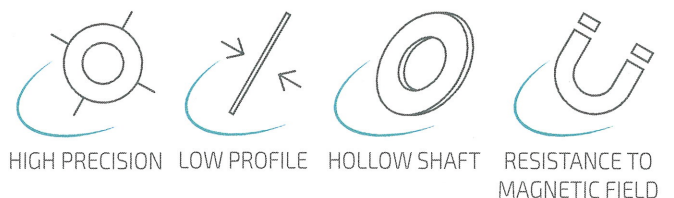
Position Sensor

- Netzer DS product line of Absolute Position Electric Encoder™, DS-25, DS-37 and DS-58 are incorporated in the robotic arm.
- Compact, low profile, lightweight & wide bore: Allowing high level integration for a low profile arm joint design.
- Frameless & contactless with a negligible rotor weight: No mechanical parts operating, resulting in a long-lasting operational time, introducing no extra weight & inertia (load) to the system.
- Immune to magnetic interference: Can be very close to the frameless motor magnets.
- High resolution 18 bit & accuracy < 0.015deg for smooth and high accuracy rotation, high repeatability 1 count.
- Standard digital Serial interfaces, SSI, BiSS.

Special safety algorithms with real time BIT (Built In Test) over SSI or BiSS



Product Features



● *Moving. Precisely. With You.*