



Spine Surgery Robot

APPLICATION

Spinal surgery robot with advanced robotic guided technologies supports high requirements of predictable surgical procedures.

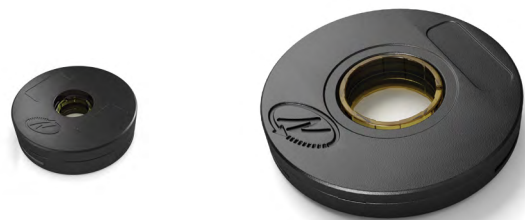
REQUIREMENTS

- Supplying smooth & high torque motion from a stepper motor
- Hollow shaft
- High precision
- Low profile
- Resistance to magnetic fields

POSITION SENSOR

- Netzer DS product line of Absolute Position Electric Encoder™, DS-25, DS-37, DS-40 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



HIGH PRECISION



LOW PROFILE



HOLLOW SHAFT



RESISTANCE TO
MAGNETIC FIELDS

Sold & Serviced By:

SERVO2GO.com®

Toll Free Phone: 877-378-0240
sales@servo2go.com
www.servo2go.com