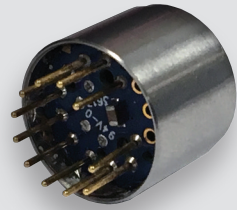


Surgical Motor Solutions

Autoclavable Encoders



A reliable, autoclavable magnetic encoder for your position control needs

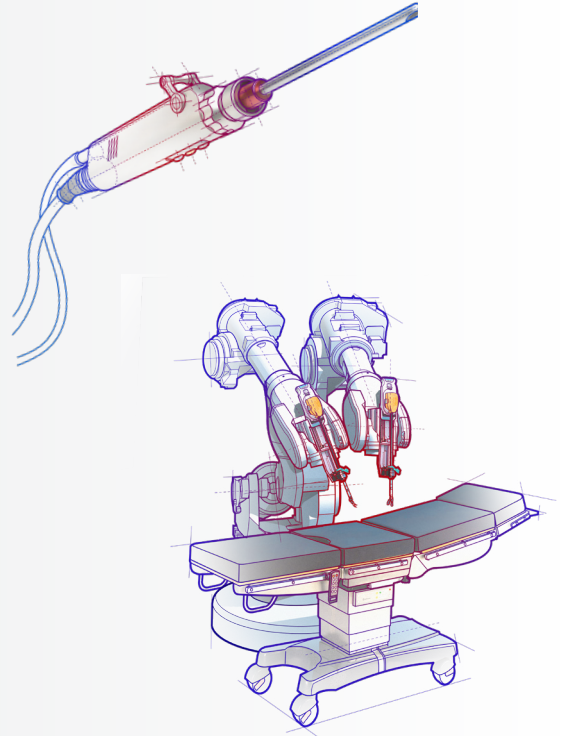
Portescap's autoclavable encoder provides accurate feedback for demanding position or speed control applications such as robotic-assisted surgical tools or arthroscopic shavers. Output signals can be used for both control and commutation, making this product a one-stop solution for all rotor sensing needs in a BLDC motor.

Customization Options

- Hall sensor signals for 6-step commutation (U, V, W)
- 10-Bit incremental encoder (A, B, Z) {1024 line resolution}
- 11-Bit effective resolution absolute angle encoder {2048 line resolution}
- Absolute position output via SPI serial interface
- Differential output for noisy environments
- Off-axis mounting allowing for cannulation

Key Features

- Fully encapsulated electronics
- Designed and tested to over 2,000 sterilization cycles
- Non-contact sensing
- Speeds up to 60,000 RPM
- 3.3V Supply



With Portescap Surgical Motor Solutions, you get
one supplier and **one partner** for your projects.

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