

One-stop shop for all your motion control needs In Israel

Strong development and engineering team



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### Servotronic Motion Systems – Failproof Solutions

Servotronic Motion Systems serves the harsh environment market with complete motion solutions, ranging from components to customized servo-systems, including electro-mechanical actuation and control electronics. Our customers receive the highest level of quality, innovation and technology to enhance and ensure machine performance and reliability even in the most extreme conditions.

Servotronic Motion Systems is the exclusive distributor in Israel of Kollmorgen, Portescap, Spinea, Thomson, Hengstler, DFT and Servotronic Motion Control- globally leading brands with over 100 years of combined experience. Firmly established in the Israeli market, Servotronic development, engineering and support teams can deliver fully optimized solutions tailored to the unique application needs of our most demanding customers.

**Servotronic Motion Systems** is a subsidiary of **Servotronic Motion Control**.

Servotronic Motion Control Group is a leading global solution provider for standard and customized motion electronics products, with a focus on digital servo drives. The company offers optimized, cost-effective servo solutions to some of the world's leading machine builders and automation system suppliers.

### Among Our Customers:



And many more...

## Harsh Environment

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Exclusive Distribution of Leading Manufacturers:





DRIVES

Ruggedized Vehicle Drives

- Low voltage, high current
- Dust and water-protected design
- Operating temperature: -40°C to +55°C

Harsh Environment Drives

- AC/DC power supply
- Support BLDC or DC motors
- Operating temperature: -45°C to +71°C



MOTORS

Direct Drive Rotary – Housed

- 176mm-362mm diameter
- Power ratings up to 3.2 kW
- Integrated hall sensors option



Servo BLDC

- MIL-810E standard
- MIL-C38999 nickel-plated connectors
- Stainless steel shaft



Direct Drive Rotary – Frameless

- 28mm-1,140mm diameter
- Power ratings up to 137 kW
- Impregnated coil option



MINIATURE MOTORS

Brush DC

- Ironless rotor coil
- 8mm-35mm diameter
- Sleeve or ball bearings
- Gear boxes and encoders options



Digital Linear Actuators

- 15mm-42mm diameter
- Captive / non-captive
- Stepper based motors
- Integrated homing sensor option



BLDC

- Coreless rotor coil
- High dynamics
- Low friction
- Gearing and feedback options



GEARHEADS

Planetary Gearheads

- Precision planetary gearheads for all duty cycles
- Smooth and whisper quiet operation
- High torque to volume ratio, high torsional stiffness and low backlash
- IP66, IP67 and IP69K protection options



Zero Backlash Bearing Reducers

- High precision reduction gear and radial axial bearing in a compact unit
- Completely sealed option



FEEDBACK DEVICES

Encoders

- Hollow shaft/ shafted/ through hole
- Incremental/ absolute
- Bus compatible
- Rugged design with wide spaced oversized bearings



Resolvers

- Housed or frameless
- Rugged housing with IP65 rating
- Withstand 200g shock and 40g vibration
- EMI resistance



POSITIONING SYSTEMS

Linear Guides

- Low friction, smooth and accurate straight-line motion
- Extensive product offering to satisfy the widest range of requirements



Shafts

- 60 Case Shaftings
- Optimal bearing performance and travel life
- Available in a number of proprietary materials and coatings



Linear Actuators

- Robust, strong and reliable for harsh environments
- Compact housings to fit in the most confined areas
- Wide range of standard and customizable stroke lengths
- Available in DC and AC models

