



WITTENSTEIN

compact
lightweight
robust

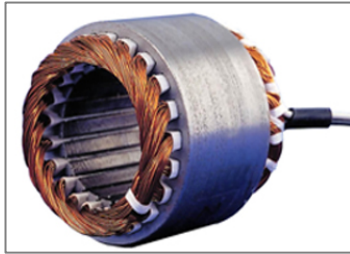
WITTENSTEIN Motors

Motor technology for the future
of motion



Motors from WITTENSTEIN

Superior power density for high performing machines



Frameless motors



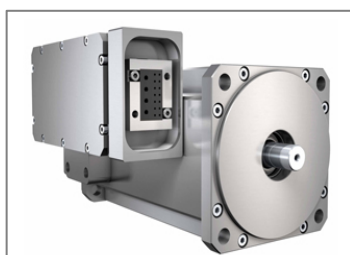
Industrial housed motors



Premium housed motors



Direct drive motors



Extreme Motors (Rad-hard)

Motor Product Range

- Frameless motors
- Housed motors
 - o Industrial motors for OEM use
 - o Premium motors
- Direct Drive Motors
- Extreme Motors
 - o Radiation hardened
 - o UHV
 - o Clean Room
 - o Custom motors

Customers benefit

- High dynamics
- Smallest space envelope requirements
- Very small mass moment of inertia
- High overload capacity

Superior motor technology

For over a decade, WITTENSTEIN has been designing and manufacturing special servo motors for medical technology, simulation devices and extreme environmental conditions.

These unique servo motors provide the highest performance combined with the highest power density and lowest torque ripple. WITTENSTEIN's innovative servo technology ranges from miniature motors to industrial direct drives to completely custom designed servos. Adding to the flexibility, WITTENSTEIN servo motors are compatible with most servo drives.

Bringing a legacy of precision mechanical components combined with highly dynamic brushless servo technology, we are able to address your specific needs in form, function and environment.

Key performance characteristics of select extreme motors include:

- UHV at vacuum levels down to $1e-11$ mbar (10^{-6} Pa / $7.5e-9$ Torr)
- Radiation-hardened motors at ambient temperatures up to 150C and at total absorbed radiation dose up to $1e8$ Gy ($1e10$ rad)
- High temperature motors at ambient temperatures up to 300C and pressures up to 2,100 bar (30,000 psi)

Speak to your sales engineer or call us today to discuss your application requirements.