Motor:
- Power P_{max} = 5,9 kW to 152 kW
- Increased power density
- High temperature-resistant bearings

Gearhead:
- Very wide choice of low-backlash servo gearheads
- Durable gearing
- Ratios from i = 3 to i = 220

WITTENSTEIN motion control –
Single-source expertise

WITTENSTEIN | motion control

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WITTENSTEIN – being one with the future

www.wittenstein-motion-control.de

SPME/TPME_us_2011_I Changes reserved!

WITTENSTEIN | motion control

More productive
More efficient
More precise

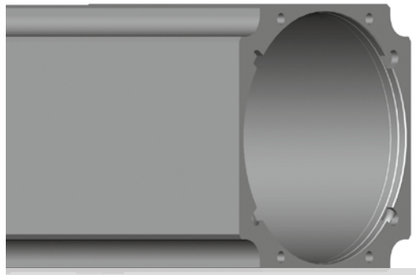
SPM+/ TPM+ endurance
Water or convection cooled
servo actuators

up to 10.000 Nm
up to 152 kW!

SPM+/ TPM+ endurance
Modular system:

Motor + housing + gearhead
= optimal combination for any application

Housing:
- One-stage cast housing technology
- Stainless steel cooling system
- No risk of confusion regarding the cooling water supply
- Suitable for water or convection cooling
- Longer-lasting shaft sealing rings due to selective heat dissipation



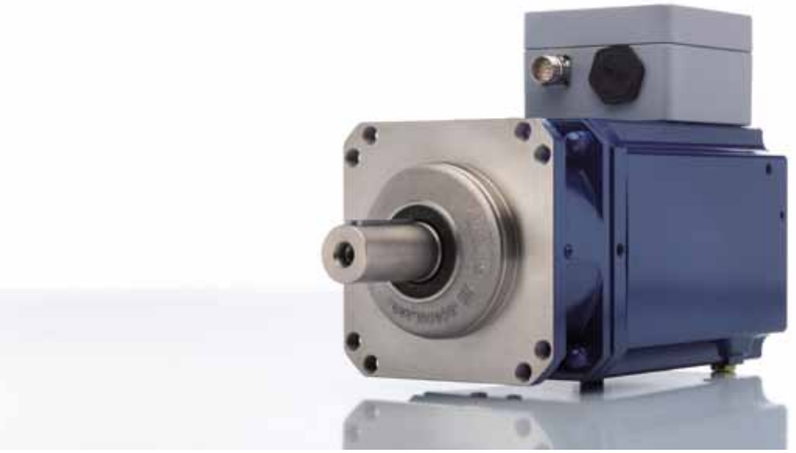
SPM+/TPM+ endurance
Servo actuators

Optimal efficiency · High power density · Very short cycle times

The SPM+/TPM+ endurance series from WITTENSTEIN motion control represent the optimal solution for any application.
Owing to the substitution of asynchronous and hydraulic motor technology, your performance and productivity are significantly boosted.

The benefits of SPM+/TPM+ endurance servo actuators are particularly important in the packaging industry, machine tools and injection moulding machines:

- Higher power density
- Smaller footprint
- Reduced energy consumption
- More design degrees of freedom

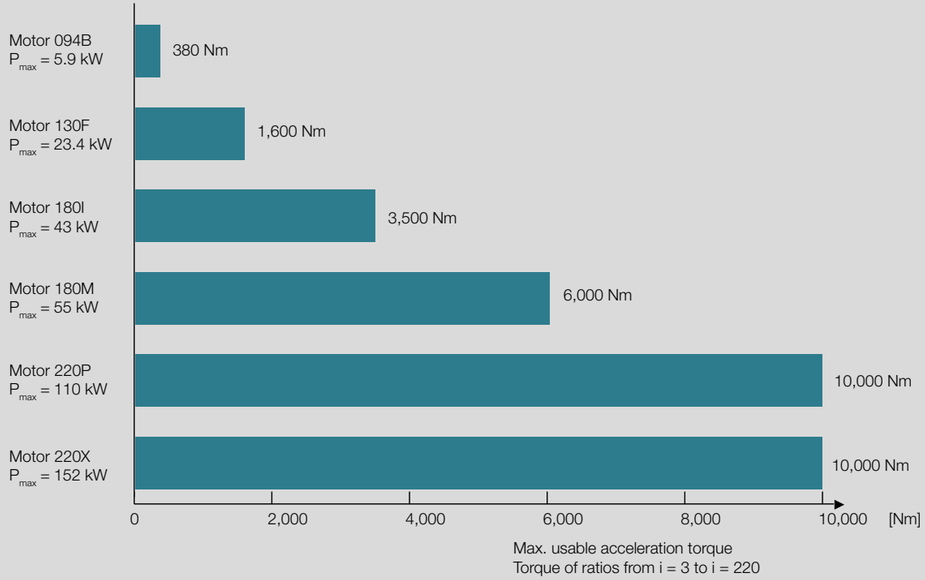


SPM+ endurance

Made to measure
The exact fit for your application

Thanks to our flexible modular system, you can integrate different gearheads to fit your motor. The exceptionally compact type of construction gives you almost infinite design degrees of freedom – and due to the very high power density your machine also has a smaller footprint.

Power spectrum



The values shown here can vary according to the gearhead type and reduction ratio.

Water or convection cooled

Leverage the crucial benefits of our water or convection cooled servo actuators:

- Increased energy efficiency
- Higher productivity
- Better availability

Thanks to the innovative stainless steel cooling technology of our SPM+/TPM+ endurance servo actuators, the motor surface temperature never rises above approx. 50°C, even in continuous duty.

The cooling system permits a durable and almost maintenance-free drive solution, especially in conjunction with an open cooling circuit.

The novel stainless steel cooling system allows the servo actuators to be operated with water or convection cooling.