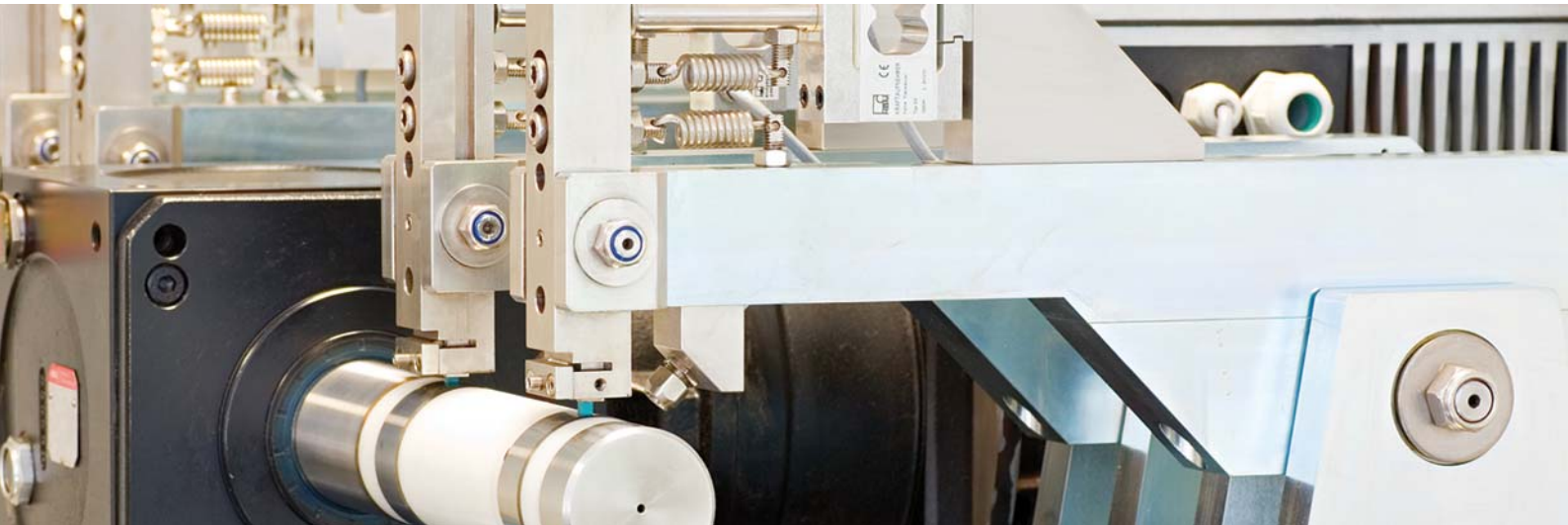


TRIBO FORCE®



Innovative Antifriction Materials for Extreme Applications

Extraordinary wear resistance and low friction coefficients paired with outstanding dimensional stability are the guarantee of the new TRIBOFORCE® materials from the LEIS Polytechnik polymere Werkstoffe GmbH company.

In cooperation with wear experiment specialists the company developed a new group of materials based on an innovative additive complex for the reduction of wear and friction. The mechanical strengths of TRIBOFORCE® materials are formidable as conventional lubricants such as PTFE are not used. This allows the manufacture of mechanically highly stressed components such as gears, wheels and joints with excellent tribological characteristics.

Three different base polymers cover a temperature range of between - 40 °C and + 260 °C; temporary operating temperatures of even up to 300 °C are permissible.

Additionally LEIS Polytechnik also offers wear measurement on tribological test stands (see picture). We can simulate almost any operating condition you stipulate in order to determine wear and friction behaviour, allowing extensive test series to be dispensed with.

LEIS Polytechnik (www.leis-polytechnik.de) specializes in the development and production of high performance polymers and has acquired exclusive know-how in the fields of metal substitutes (product group NYLAFORCE®) and tribologically optimized plastics (product group TRIBOFORCE®).