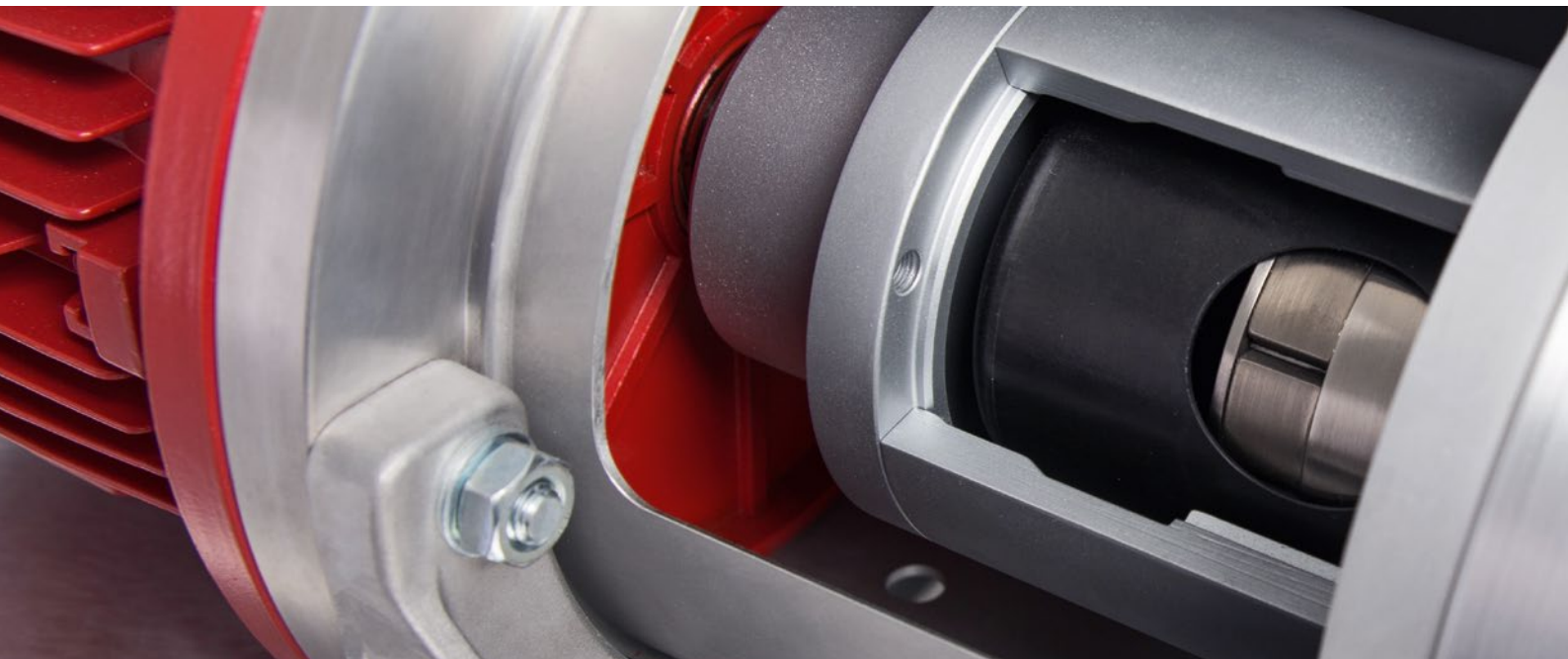


## Reliable and eco-friendly permanent magnetic systems for a contactless torque transmission



**DST Dauermagnet-Systemtechnik GmbH is a leading German manufacturer of high-performance permanent magnet couplings. As part of the German Echtherhage Holding Fluid Technology Group and with over 30 years of experience in leakage-free and maintenance-free torque transmission, DST offers the perfect solution for various applications in the chemical, pharmaceutical and bio industries, as well as for petrochemicals, agitators, compressors, hydraulic applications and for numerous other industrial plants where 100 % tight and safe drives are required.**

With well over 1,000 existing magnet configurations, DST permanent magnetic couplings are a reliable alternative to conventional mechanical seals and already cover a wide range of 1–1,200 Nm with their standard series.

With many years of application expertise, DST develops individual special solutions to perfectly meet customer requirements with a maximum torque of up to 25,000 Nm.

For this purpose, every inquiry is precisely checked for technical feasibility by trained personnel. Using the latest FEM simulation software and considering the customer's application parameters, DST ensures an optimal and safe design of the individual components. Thus, the customer receives the most efficient and economical material combination of the inner and outer rotor as well as the canister.





A company of  
**e.holding**  
 FLUID TECHNOLOGY GROUP

Source:  
 DST Dauermagnet-SystemTechnik

## fluid technology solutions

For the replacement of conventional mechanical seals in existing motor/pump units, DST also offers ready-to-connect conversion kit solutions.

To meet the ever-increasing product and customer requirements, DST offers a wide variety of test procedures for validation of the pressure resistance, vacuum tightness, static torque rating and weld quality of the components. Over the years, DST has been able to expand its customer base globally with the aspiration and commitment to the motto "Quality-Designed and Made in Germany".

There are many reasons why DST is internationally regarded as an innovative and reliable partner for particularly demanding applications.

DST has successfully accomplished numerous projects where the reduction, and in some cases complete elimination, of eddy current losses has helped the customers avoid unwanted heat generation in their application. As a result, the customers have been able to increase the efficiency of their product and achieve substantial savings in energy consumption.

Continuous research and development ensure that DST permanent magnet couplings can also be used in particularly hazardous applications (ATEX), such as hydrogen or LNG applications.

Check out our  
 mag coupling video!

