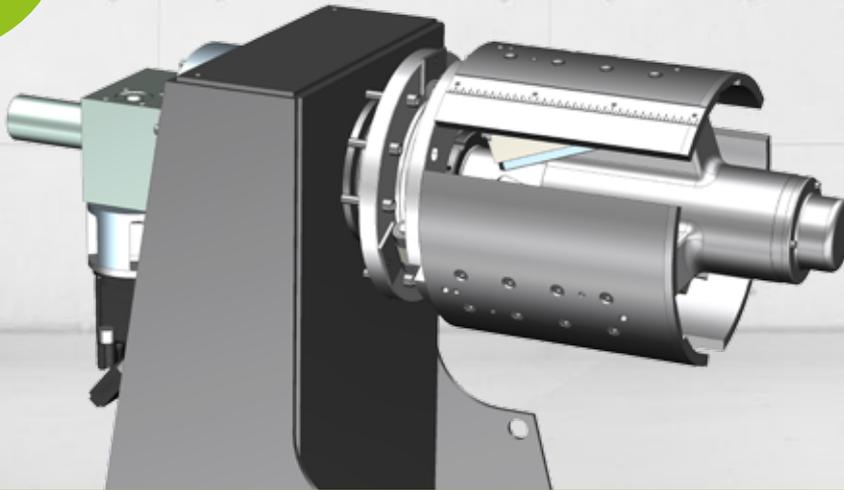


NO
HYDRAULICS!



SERVOMOTOR-DRIVEN EXPANSION OF COILER MANDREL FOR CONTINUOUS TOP QUALITY PRODUCTION

If you want to be efficient, you have to get rid of everything unnecessary - for example, expensive hydraulic solutions for winding and unwinding coils. To avoid these, you can rely on the servomotor-driven expanding coiler mandrel from KOHLER. It will redefine your expectations:

- Extremely precise regulation of the coiler mandrel expansion force against the inner coil windings
- Process material of the highest grade and quality
- Set individual inner coil diameters for winding and unwinding coils
- Reduced maintenance and service costs
- Lower operational and environmental costs
- No open oils and grease because no hydraulic system is used

Servomotor instead of a hydraulic system

Previously, expanding coiler mandrels for securing the coil were usually actuated hydraulically; KOHLER can now also provide this important function via servomotor. Servomotor-controlled expansion has the distinct benefit of consistent expansion of the coil on the mandrel. This prevents the individual layers of the coil from sliding against each other, thus effectively preventing and drastically reducing any damage to the surface finish of the material that could result.

When processing high-quality coil material, the quality of the surface finish is extremely important, making the ability to wind and unwind coils in a way that protects the finish even more significant. Another benefit of servomotor-driven expansion is the ability to set a precise inner coil diameter for the coiler or recoiler. It is self-speaking for KOHLER that the coil edges are aligned precisely during winding, so that this is only mentioned in passing.

Additional benefits included

Completely eliminating hydraulic systems not only brings benefits for quality, but also a significant reduction in operational and maintenance costs. For example, no hydraulic system means no need to perform regular maintenance on it, or to repeatedly repair or replace dripping hydraulic screw connectors. The costs for renewing the hydraulic oil and the electricity for powering the hydraulic pump are also eliminated, providing additional potential for savings. The elimination of the loud hydraulic system (often far above 80 dBA) results in a comfortable working environment without the adverse health effects of noise pollution.

Proven industrial suitability

The servomotor driven coiler mandrel expansion system has already comprehensively proven its suitability for industrial use. Discover more details about the expansion control from KOHLER and the extra benefit of reduced operational and maintenance costs.