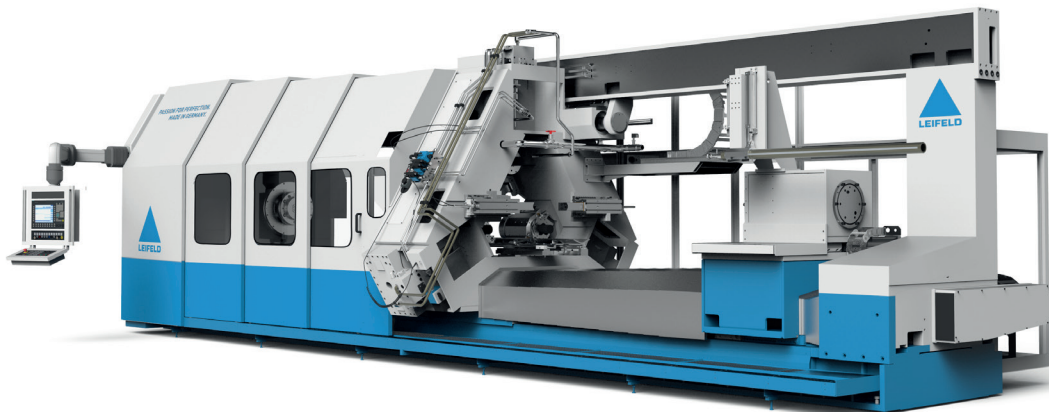


High-precision flow forming machine ST Series



Heavy-precision flow forming machine with three rollers for rotationally symmetrical hollow bodies.



For high-precision forming of rotationally symmetrical hollow bodies with constant or varying wall thickness by flow forming via cylindrical, conical or embossed mandrel contours.

The machine is applicable for forming processes like:

- forward flow forming
- reverse flow forming
- shear forming

The following workpieces can be manufactured on this machine from most different unmachined parts / preforms and materials:

- Rotationally symmetrical precision hollow bodies with constant or varying wall thickness course, e.g. hydraulic cylinders, pressure tanks
- Rotationally symmetrical hollow bodies with high precision inside contour, e.g. clutch housings
- Rotationally symmetrical and concave, convex or conical components, e.g. engine parts, wheel discs.

Technical data ST Series

Workpiece- \emptyset , min. – max.	55 - 650	mm
Workpiece length max. when		
Forward flow forming, min. – max. approx.	1.200 - 3.000	mm
Reverse flow forming, min. – max. approx.*	2.400 - 6.000	mm
*by 50 % reduction of wall thickness with lateral tailstock displacement		
Distance between centres, min. – max. approx.	1.985 - 6.350	mm