



AUTOMOTIVE PARTS

To achieve tighter tolerances on the outside of the parts, automotive parts can be shrunk to obtain high accuracy. A Circumpress is a variation of the standard Shrinker, designed for continuous throughput. Circumpresses are open on both ends. This permits the incremental shrinking of long parts and simplifies handling of parts.



Circumpresses are used to size and form truck and trailer axle housings. Heavy truck axle housings are shrunk at the ends to increase the wall thickness for leaf spring and shock absorber mounting.

APPLICATIONS



Several automotive parts are sized and formed, including shock absorbers, brake shoes, truck trailer landing gear components, steering components and sprag type clutch rings. Metal rings are shrunk around rubber sleeves for assembly in shock absorbers.



BENEFITS

- Less machining allowance needed
- Highly accurate and repeatable process
- The Circumpress provides higher production rates than the hot swaging operation it replaced
- Very close tolerances





SHRINKING

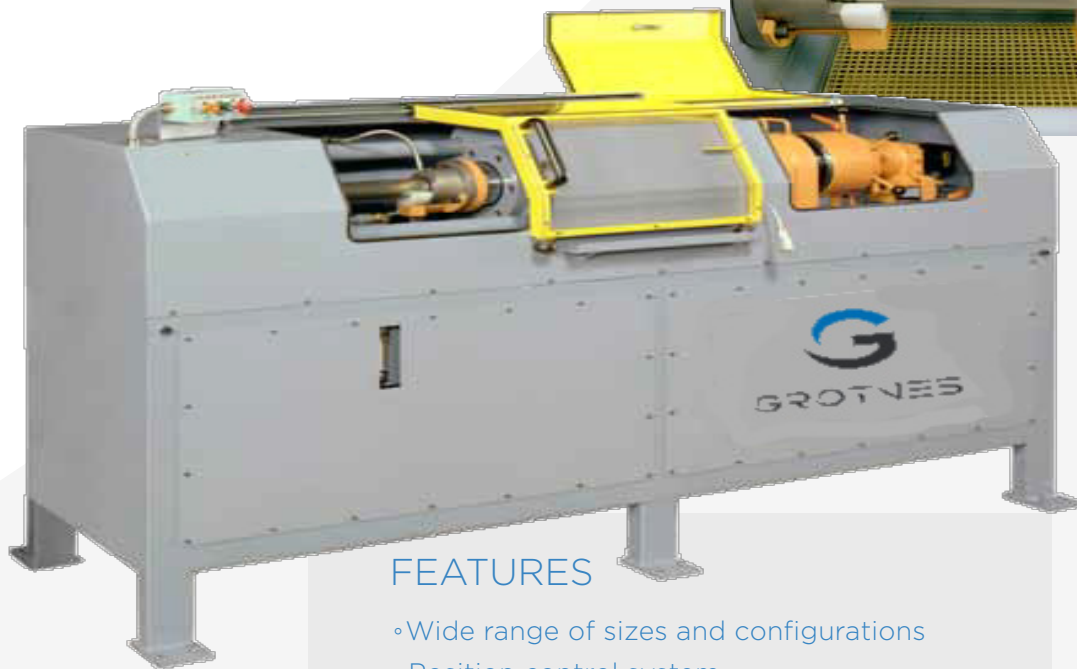
12-HC-600-12

A 600 ton Circumpress that forms and sizes axle housings. The feed system is an integral part of the machine (not pictured). It receives the piece from the preceding operation, positions it for two shrinking cycles on one end, repositions it for two cycles on the opposite end and then moves it to the next operation.



2.5-HC-5

A 2.5 ton double headed Shrinker. This configuration is designed to shrink both ends of a shock absorber simultaneously.



FEATURES

- Wide range of sizes and configurations
- Position control system
- User friendly touch screen interface
- Automatic load/ un-loading

