



Roll Formers

PARTS WITH SPECIAL PROFILES

Grotnes Roll Formers are widely used in several industries. Roll Formers are used when fine detail and excellent surface quality are required. They are capable of forming complex profiles with very high accuracy and repeatability in cylindrical blanks, pipe ends and coiled rings. When producing parts of different diameters having the same profile, tooling costs and set-up times are minimized.



APPLICATIONS



Sizing and forming applications for the automotive industry such as wheel rims, brake drums and emission shells. These emission shells are first profiled on a Grotnes Roll Former. After profiling, the shells are calibrated on a Grotnes Expander.

Roll forming seal rings for valves, pipe couplings, fittings and spigot joints. The pipe couplings are formed from preformed blanks of mild steel.

Seal rings for valves are first formed on a Roll Former, guaranteeing a smooth surface finish. After forming, these rings will be shrunk to close tolerances.



BENEFITS

- Perfect for both long production runs due to their highly accurate and repeatable operation as well as for short runs due to their easily accessible tooling which reduces tool change time.
- The single end design is also highly flexible and can form a wide range of thicknesses, widths and diameters.
- A group of parts with the same profile and material thickness can be formed in multiple diameters with the same tooling.



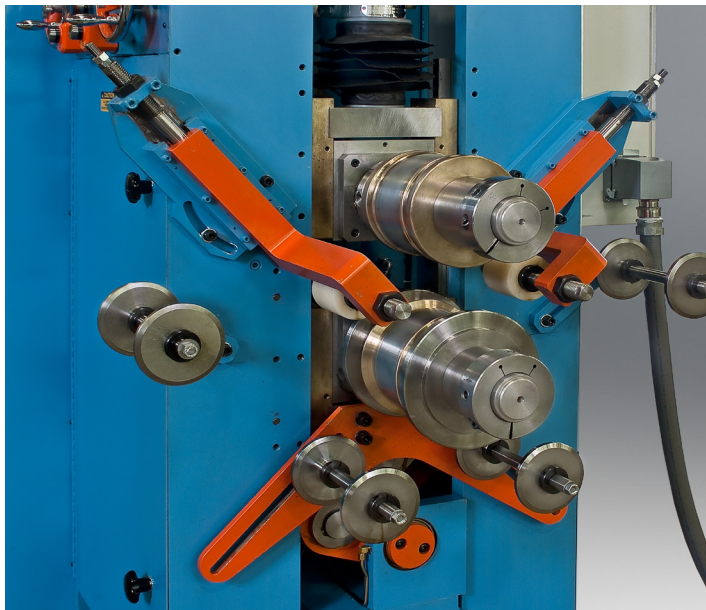


ROLL FORMING

3.5-100 ROLL FORM3.5

A 3.5 ton Roll Former. This machine is used for forming valve seat rings. The Roll Former performs the first forming operation and will profile the initial shape into each of the rings. A separate set of forming tooling will be used for each unique shape.

A Grotnes Shrinker with "Stadium Tooling" is then used to set the final size and roundness.



4-300 ROLL FORMER

A 4 ton Roll Former. This machine has an open end design. The Circular Roll Former is forming circular bands into symmetrical rings.

FEATURES

- Wide range of sizes and configurations
- Position control system
- User friendly touch screen interface
- Automatic Lubrication system
- Automatic Load and Unload available

