Acrotech/Di-Acro also manufactures a line of One Pass Roll Bending Machines. If you have large-volume needs for complete or partial cylinders with little or no flats on the ends, our machines will produce your parts quickly and cleanly. This includes polished materials containing large cutouts or perforations!

If you rolled parts sporadically or in small quantities, Acrotech/Di-Acro will custom roll them for you!

For a quote, contact one of our machine engineers or inquire at:

www.acrotechinc.com • www.diacro.com

The Benefits of “One Pass” Two Roll Bending Machines

Cylinders in one pass!

- Roll parts with a minimum of flat on the leading and trailing ends for easier welding and better looking parts.
- Increase production and lower costs because there is no preforming required.
- Roll perforated and other difficult materials without fluting or kinking. Roll prefinished materials (stainless, aluminum, prepaint, etc.) without damaging parts.
- Easy set up and operations with excellent repeatability and quick tooling changes.
- Auto loading.
- Additional operator protection (light curtains).
- Special Hi alloy snaps for larger diameter to length ratios.

The Two Roll Principle

Under pressure, the top steel roll acts as a rotary punch penetrating the bottom roll. The bottom roll, a steel shaft coated with K•Prene® urethane acts as a female die, wrapping the material around the top roll.

Rotation of both rolls produces accurate curving and rolling of complete or partial cylinders in one pass!

Our smaller models the 1212, 1618, and 1824 are built to meet the demands of production involving small, light gauge parts. Pneumatic lock-up is standard on all models for increased productivity. 120V 1PH standard wiring simplifies installation. 220 or 440V 3PH wiring is also available.
Every model in Acrotech/Di-Acro’s unique line of Two Roll Bending Machines is designed and built for production and precision. These machines will roll a variety of materials and configurations into cylinders with virtually no flats on the ends!

LD and HD Models
Designed for the production of larger, heavier gauge parts. The drop arm and the lower roll are positioned pneumatically on all LD machines and hydraulically on the HD models. Standard features adding to the productivity and safety of these machines include:

1) A digital readout that indicates roll position and allows for quick repeat set up.
2) A safety kneebar which can be easily activated to quickly shut down all mechanical operations.

Model V-1006
The model V-1006 has cantilevered rolls mounted in a vertical position. This unique design allows the parts to simply drop from the machine at the end of the rolling cycle, greatly increasing productivity. Its short, sturdy rolls are ideally suited for narrow parts such as clamps, brake bands, hole saws, light fixtures, etc.