

Automated Two Roll Bending Machine



Automated 2 Roll Hydraulic Machine Features:

- 120-200 Parts per Hour
- Hydraulic Drive of Forming Roll Forward/Reverse
- PLC Control with Touch Panel Operator Interface
- Rapid Part Cycle 2-4 Parts per Minute
- Vacuum Lift Material Feed Conveyor
- Pneumatic In-Feed Table with Material Squaring Arms
- Pneumatic Part Ejector
- Capacity Range up to 96 Inches in Forming Length
- Thickness Ranges .010 - .250 inch
- Designed to Operate 24/7

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HDH Models (Heavy Duty Hydraulic)

Our HDH models are designed for continuous production of both thin and thick gauge tubular assemblies.

This model is selected for manual feed and expands to offer automatic roll and automatic tube ejection.

The HDH models include a remote operator console, digital pressure control, safety guarded sequencing foot pedal, front and rear safety triggers.

This model can be customized with a CNC to form a variety of shaped tubes.

HDA Models (Heavy Duty Automatic)

Our HDA model two-roll urethane rollers are designed specifically for labor cost reduction and automation.

PLC Control sequences the vacuum lift material feeder to place the unformed sheet on the squaring table. The sheet is squared and fed into the roller. On completion of the roll, the support pivot is lifted and the conveyor lifts and ejects the rolled tube.

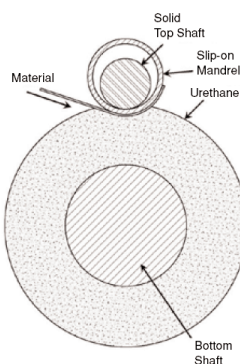
The One-Pass Two-Roll Advantage

- Roll parts with virtually no flats on leading/trailing ends
- Higher quality roll enables faster, more consistent seam welding
- Produces a higher quality product
- Roll perforated and specialty alloys without deformation
- Eliminates post roll material damage and scratches
- Easy set-up and short training requirements

How It Works

Under programmable hydraulic control the top steel roll acts as a rotary press penetrating into the bottom urethane roll.

The hydraulically driven urethane roll provides a constant pressure and rotation speed, wrapping the sheet around the top roll. The rotation of the rolls produce accurately formed cylinders in a single pass.



Quality Cylinders Made In One Pass



Weldlogic's full range of two-roll bending machines are designed and built for a production environment that requires high precision, productivity and reliability.