



## ANGLE ROLL FEATURES

- Universal tooling set included with each machine
- Forged roll shafts precision ground and fitted for maximum performance and minimal deflection
- Roll shafts supported with conical steel bearings on each side of A-frame
- Heavy duty structure and rigid components for high section modulus ratings
- Reinforced engineered mainframe design proven to outperform competitive models
- In-line direct drive roll shaft system on 3-roll driven on all models
- Threaded roll shafts with micrometric flange adjustment helps eliminate spacer usage
- Touchpad controls with digital center roll positioning on hydraulic models

CML USA, Inc. offers a comprehensive selection of angle roll machines with capacities to 4" Sch. 40 pipe and 4" angle iron.

If you aren't sure what you need, call us at:

**563.391.7700**

and we will walk you through which angle roll will best suit your specific design requirements.

#### About This Brochure

We have tried to make this brochure comprehensive and factual. We reserve the right to make changes at any time without notice, to prices, colors, materials, equipment, specifications, models and availability. Brochure may have been updated since the time of printing.



## ANGLE ROLL MACHINES



### CE35 (Manual)

1-1/2" Sch. 40 pipe capacity  
1-1/2" angle iron capacity  
220V 1ph

#### Fabricators Favorite

### CE40MR3 (Manual)

### CE40H3 (Hydraulic)

2" Sch. 40 pipe capacity  
2" angle iron capacity  
220V or 440V 3ph

### CE50H3 (Hydraulic)

2-1/2" Sch. 40 pipe capacity  
2-1/2" angle iron capacity  
220V or 440V 3ph

### CE60H3 (Hydraulic)

3" Sch. 10 pipe capacity  
2-1/2" angle iron capacity  
220V or 480V 3ph

### CE70H3 (Hydraulic)

3" Sch. 40 pipe capacity  
3" angle iron capacity  
220V or 440V 3ph

### CE100H3-RLI (Hydraulic)

4" Sch. 40 pipe capacity  
4" angle iron capacity  
220V or 440V 3ph

CML USA Inc. Ercolina®  
[www.ercolina-usa.com](http://www.ercolina-usa.com)

# DISCOVER THE



# ADVANTAGE!

## ERCOLINA® ANGLE ROLL MACHINES

# Why choose Ercolina?

## Ercolina Advantages

All Ercolina hydraulic machines have **unlimited** step programming with memory and unlimited passes which is important when rolling parts

Ercolina rolls feature patented simultaneous downfeed and roll movement to minimize part deformation when making roll passes

Ercolina shafts and tooling are forged  
*(Forging generally produces a piece that is stronger than a similar cast or machined part. During the forging process, the metal's internal grain deforms to follow the general shape of the part. The resulting grain is continuous throughout the part creating a piece with improved strength characteristics and reliability.)*

Ercolina A-frames are engineered for greater strength and offer a lifetime warranty

Ercolina utilizes heavy lateral guides to control material during bending

Ercolina rolls are three roll driven with inline gear reduction for greater torque; power transmission and motor are located close to the A-frame

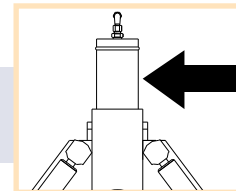
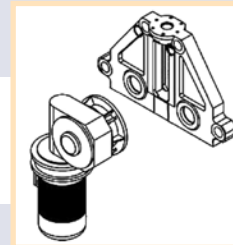
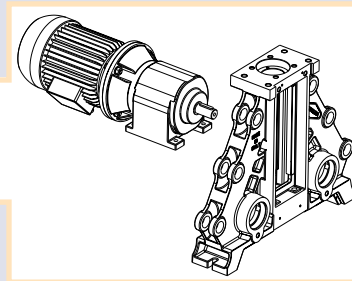
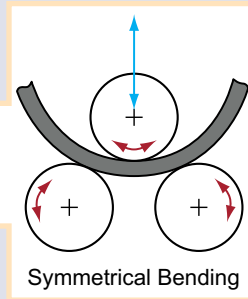
Ercolina hydraulic rolls have locking third hydraulic solenoid to maintain accurate cylinder position

Ercolina capacity ratings are accurate and machines will perform as advertised with standard tooling

Ercolina hydraulic cylinder is located inside the cabinet and cannot interfere with part production

Ercolina rolls include a slip clutch on drive to protect machine components when rolling

Ercolina design and tooling accommodate most standard material



## Competitors

Operator is required to manually control step movement which is inefficient and less accurate

Downward movement of center roll causes deformation when taking roll passes

Shafts and tooling are turned and hardened which are more likely to flex during bending

A-frames use welded steel plate or billet allowing weight to compensate for older design

Weaker lateral guides do not offer required support

Motors are further away and the drive train is at 90 degrees which requires a larger motor to overcome the transition

Rely on single solenoid

Competitors often over-state capacity ratings

Hydraulic cylinder located at top of machine can interfere with part production

If vibration occurs during bending process, some competitors suggest removing the key drive from the lower right shaft to make the rolls freewheeling

Stated capacities often require special tooling

THE BOTTOM LINE

**Ercolina offers a better machine at a competitive price.**