



Superior Precision through Innovative Engineering www.eaglebendingmachines.com











A Simple Philosophy...

Offer The Best Roll Benders and back them up with the Best Warranty in the Industry to prove it!

True Quality & Value are Always Found in the Details...

WHY BUY EAGLE?... Founded over 28 years ago to provide a Higher Quality Roll Bender, Faster Deliveries and Superior Service, Eagle proudly maintains its goals.

Eagle is 100% American owned and has placed over 7,500 machines in North America. PROOF that our Section Bending Rolls, Profile Benders, CNC Benders and Service are truly valued by the metal fabrication industry.

Our section Benders incorporate Features and *Superior Quality not found on look-alike machines*.

Contact us to discover why

EAGLE Benders provide you years of Profit Producing Performance!

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EAGLE BENDING MACHINES

P.O. BOX 99, 34225 Hwy. 31 STAPLETON, AL 36578-0850, U.S.A. TEL: 251-937-0947 / FAX: 251-937-4742

VALUE ADDED SERVICES by Eagle Bending Machines

Demonstration & Showroom / Testing & Prototype Facility
Tooling Design & Manufacturing / Technical Assistance
Machine Diagnostics & Repair / Process Flow Design / Spare Parts
Dedicated Machine Applications / Extrusion Die Consulting

Some of our Satisfied Clients include:

General Motors - General Electric - Boeing - Northrup Gruman - NASA - US NAVY Titan Tanks - Offshore Inland - BP - General Mills - Mercury and many more!

Proud supporters of:









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CP30R2V

CP30 SERIES

STANDARD FEATURES ALL UNITS

- LED Digital Readout*
- Three Roll Universal Benders
- 25% Heavier Main Frames in Solid Steel w/limited lifetime warranty
- High Strength Hardened Steel Shafts
- TEFC Electric Motors, CE Certified
- Lower Shafts Driven, Top Shaft Idle
- Universal Roll Set, Hardened, 24 pieces
- Lower Rolls Knurled, Top Roll Smooth
- Thermal Overload Protection & E-stops
- Lateral Material Guides w/ bearings, variable rake angle, & recessed hex adjustment. These features not on 'look-alike' machines
- Flush Faced Frame and Electrical Cabinet
- Dual, High Dynamic Load Bearings on shafts
- Top Roll Journal on Adjustable Guides & Ways
- Illustrated User Manual & Tool Kit

OPTIONS / ACCESSORIES

- Tube & Pipe Rolls
- Wide Flat & Tight Diameter Rolls
- Rolls & Guides for Angle In/Out
- Bar Twist & Scroll Tooling
- CAP RAIL ROLLS
- Rolls for Extrusions/Other Shapes

MODEL LEGEND

M 1 Speed, 220V Single Phase
 2V 2 Speed, 220V, Three Phase
 P Foot Pedal Rotation Control
 R Rotating Horizontal/Vertical
 E* 1 Speed, w/out LED

SPECIFICATIONS

Shaft OD: 1-3/16" (30 mm)
Roll OD: 5" Nominal (128 mm)
Power: 1.15 HP 220V-3-60Hz
Power: 1.50 HP 220V-1-60Hz
Weight: 550 Lbs, approx.



Large Bright LED Readouts for Precision Repeat



Easy Ratchet Lateral Guide Adjustment



CP30R2V Shown in

Disclaimer: Roll bending machines distributed by Eagle Bending Machines, Inc. are all designed with Emergency Stops and Thermal Overloads. The employer of the operator is responsible for providing and insuring the usage of point of operation guards and/pr properly applied and adjusted point of operation devices as required to meet OSHA, state and local safety requirements.

CP30 CAPACITIES

SHAPE	MAX SIZE	MIN ID	NOTES
	2 x 3/8"	16"	STANDARD ROLLS
	3 x 5/8"	16"	STANDARD ROLLS
	1-1/8"	24"	STANDARD ROLLS
	1-1/2 x 3/16"	16"	*OPTIONAL ROLLS
	1-1/2 x 3/16"	22"	OPTIONAL TOOLING
4	2"	16"	STANDARD ROLLS
	2"	20"	STANDARD ROLLS
200	2"x 1"	12"	STANDARD ROLLS
	2"x 1"	16"	STANDARD ROLLS
	1-1/4"	24"	OPTIONAL ROLLS
60	1-1/2" Sch. 40	20"	OPTIONAL ROLLS
6	2-3/8 x 16GA	40"	OPTIONAL ROLLS
600	1-1/2 x 11GA	40"	*STANDARD ROLLS
	2 x 1 x 11GA	48"	*STANDARD ROLLS

On some sections for limited quantities it may be possible to use standard rolls. For optimum results or if production runs are required, it is necessary to use optional rolls and or optional accessories.

5 Versions to Fit Your Budget

CP30-PR2V & CP30-PRM Foot Pedal Controls, Rotating

Head, horizontal/vertical operation LED Readout

CP30-MS

Short Base version for use on trailer, tail gate, work bench LED Readout

* CP30E-PR & CP30E-RPM Foot Pedal Controls, Rotary Head w/out LED



















CP40H-H2-M SERIES

CP40 FEATURES AND BENEFITS

3 Roll Pyramid Universal Roll Bender

MPR40 LED Readout, 400 Auto Repeat Memory (H/H2), LED Readout (M)

Powerful Easy to use Pyramid Style

High Strength Hardened Shafts

25% Heavier Main Frames in Solid Steel with Limited Lifetime Warranty

Universal Bending Roll Set 18 pcs.

All Dual Bearings, No Bushings

Flush Electrical Panels, NEMA Type

Detached Mobile Operator Consoles

Dual Pedal Controlled Rotation

Dual E-Stop Buttons

Lateral Guides with Bearings, Variable Angle, Heavy Duty with Easy, Hex Ratchet Adjustments on Thrust

TEFC Motors, Overload Protected

Illustrated Instruction Manual & Tool Kit

OPTIONS/ACCESSORIES

Tube & Pipe Rolls

Wide Flat & Tight Diameter Rolls

Rolls & Guides for Angle In/Out

Bar Twisting & Scrolling Tools

Rolls for Extrusions & Other Shapes

CAP RAIL ROLLS

NO CASTINGS in our Machines!

SPECIFICATIONS

Shaft OD Roll OD 6.375" (40 mm)
Power: 3.6 HP (H & H2)
Weight: H-H2 1,300 Lbs
Weight: M 1,050 Lbs

Disclaimer: Roll bending machines distributed by Eagle Bending Machines, Inc. are all designed with Emergency Stops and Thermal Overloads. The employer of the operator is responsible for providing and insuring the usage of point of operation guards and/or properly applied and adjusted point of operation devices as required to meet OSHA, state and local safety requirements.





CP40 CAPACITIES

MAX SIZE MIN ID	NOTES
2-1/4" x 3/8"	STANDARD
Ø20"	ROLLS
4" x 5/8"	STANDARD
Ø16"	ROLLS
1-3/8"	STANDARD
Ø20"	ROLLS
2" x 1/4"	SPECIAL
Ø24"	ROLLS
2" x 1/4"	OPTIONAL
Ø28"	TOOLING
2-1/2"x1/4"	*STANDARD
Ø24"	ROLLS
2"x1/4"	STANDARD
Ø24"	ROLLS
3"x1-3/4"	STANDARD
Ø24"	ROLLS
3"x1-3/4"	STANDARD
Ø24"	ROLLS
1-3/8"	*OPTIONAL
Ø20"	ROLLS
2"Scd.40	TUBE/PIPE
Ø40"	ROLLS
2-3/4 x 16GA	TUBE/PIPE
Ø48"	ROLLS
2"x11GA	*STANDARD
Ø48"	ROLLS
/4"x1-1 12"x11 GA	*STANDARD
Ø48"	ROLLS
	MIN ID 2-1/4" x 3/8" Ø20" 4" x 5/8" Ø16" 1-3/8" Ø20" 2" x 1/4" Ø24" 2" x 1/4" Ø24" 2"x1/4" Ø24" 3"x1-3/4" Ø24" 3"x1-3/4" Ø24" 1-3/8" Ø20" 2"Scd.40 Ø40" 2-3/4 x 16GA Ø48" 2"x11GA Ø48" /4"x1-1 12"x11 GA

★ On some sections for limited quantities it may be possible to use standard rolls. For optimum results or if production runs are required, it is necessary to use optional rolls and or optional accessories

4 Versions Fit Your Budget!

CP40H - Hydraulic Adjustment

3 Driven Rolls, Smooth, Auto Repeat Positioning/LED

CP40H-REV - Hydraulic Adjustment CP40H including Variable Speed Drive

Via Digital Motor Inverter

CP40H2 - Hydraulic Adjustment

2 Driven Rolls, Lower Rolls Knurled for Traction, Top Roll Smooth with Auto Repeat Positioning/LED

CP40M - Manual Adjustment

2 Driven Rolls, Lower Rolls Knurled for Traction, Top Roll Smooth with LED Readout for positioning







Internal

Oil Lines









СР60-Н

CP60 FEATURES AND BENEFITS

- 2 Roll Pyramid Universal Roll Bender
- MPR40 LED Readout, 400 Auto Repeat Memory
- Powerful Easy to use Pyramid Style
- High Strength Hardened Shafts
- 25% Heavier Main Frames in Solid Steel w/ Limited Lifetime Warranty
- Universal Bending Roll Set 18 pcs.
- All Dual Bearings, No Bushings
- Flush Electrical Panels, NEMA Type
- Detached Mobile Operator Consoles
- Dual Pedal Controlled Rotation
- Dual E-Stop Buttons
- Lateral Guides w/ Bearings, Variable Angle, Heavy Duty with Easy, Hex Ratchet Adjustments on Thrust
- TEFC Motors, Overload Protected
- Illustrated Instruction Manual & Tool Kit

2 Versatile Versions

(H & REV) allow you to Roll with Renowned Eagle Quality and choose the best fit to your budget. Eagle CP60H Universal Section Benders offer unmatched features such as 400 Position Auto-Repeat Controls, LED Readouts, Concealed Oil Lines, Flush Electrical Cabinets, Limited Lifetime Frame Warranties and more! Make the Best Decision for your Shop!

CP60H / CP60H-Rev SPECIFICATIONS

Shaft OD Roll OD 8.85" Nominal Shaft OD 8.85" Nominal Shaft P 220V/60Hz Pump 2.0 HP 220V/60Hz Automatic + LED. Powered Rolls 2 Lower Rolls Driven Dimensions Ship Weight 2,425 Lbs, approx.

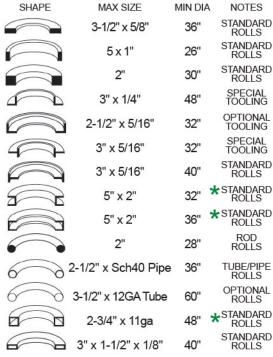








CP60-H CAPACITIES



★ On some sections for limited quantities it may be possible to use standard rolls. For optimum results or if production runs are required, it is necessary to use optional rolls and or optional accessories.







CPS SERIES



FEATURES

CPS50

- Three Driven Rolls Universal Profile Bender Initial Pinch Geometry for Serial Production
- Hydraulic Up / Down Movement on Forming Roll
- High Strength Hardened Shafts w/Roller Bearings
- Universal Bending Rolls, Smooth, Induction Hardened
- Horizontal & Vertical Working Position (BNCPS 35&)
- Push Button Controls, Detached Console
- Dual Pedal Controlled Rotation
- Dual E-Stop Buttons
- LED Readout, Large High Brightness, 24VAC Controls
- 400 Memory Automatic Position Repeat "APR" System
- Flush Mount Switch Gear Panel with Safety Lamps
- Bending Roll Moving on Adjustable, Hardened Gibbs
- Adjustable Lateral Material Guide
- Service Tools and Illustrated Manual

VERSIONS 20 - 35 - 50

CPS (Standard)

Models 20, 35 & 50 with Single Rolling Speed and all Features as listed to the left

CPS-REV (Variable Rolling Speed)

CPS Version + Step-less variable speed, digital Inverter and potentiometer for precision bending aluminum extrusions and extreme tight diameters

CPS-AUT (Automatic Bend Execution)

REV Version + Programmable Control and Proximity Sensors to execute a bend in a production environment

CPS CAPACITIES

ACITIES Based on Mild Steels
Maximum Size & Minimum I.D.

SHAPE	20	35	50
	1 x 1/4 Ø8"	2 x 3/8 Ø14"	2-3/4 x 1/2 Ø20'*
	1-3/4 x 3/8 Ø12"	3-1/2 x 5/8 Ø16"	4x5/8Ø14"*
	1/2 Ø 5"	1-1/4 Ø16"	1-1/2 Ø24"
	3/4 x 3/16 Ø8"	1-1/2x 1/4 Ø16"	2-1/4x1/4 Ø30'*
	3/4 x 3/16 Ø10"	1-1/2 x 1/4 Ø22"	2-1/4x1/4 Ø 38"
4	1 Ø6"	2 Ø14"	2-1/2 Ø20"
	1 Ø6"	2 Ø16"	2-1/2 Ø20"
200	1-1/4 Ø8"	2-1/2 Ø18"	3-3/4 Ø 26"*
	1-1/4 Ø10"	2-1/2 Ø20"	3-3/4 Ø 30"*
	1/2 Ø4"	1-1/4 Ø 16"	1-1/2 Ø 24"
600	1/2 Ø12"	1-1/2 Ø20"	2 Ø36"
600	1-1/4 x 1/16 Ø16"	2-1/2 x 1/16 Ø30"	2-1/2x10ga Ø34"
	3/4 x 1/16 Ø12"	1-1/2x1/8 Ø40"	2-1/4x1/8 Ø50"*
	1-1/4 x 3/8 x 1/16	2x 1-1/4 x 1/8	2-3/4 x 1-1/2 x 1/8*

★ On some sections for limited quantities it may be possible to use standard rolls. For optimum results or if production runs are required, it is necessary to use optional rolls and or optional accessories.

Driven Rolls	3	3	3
Rolling Speed fpm	10	13	16
Working Plane	Vertical	Vert./Horiz.	Vert./Horiz

Repeat Control Auto-Repeat Auto-Repeat Auto-Repeat

Chart indicates minimum suggested inside bending diameters at maximum section size using mild steel - Specifications subject to change/modification without prior notice - Data is approximate - Contactyour authorized dealer for specific tooling capabilities/requirements on shapes and sizes to be bent. Special rolls and/or tooling may be required for some angle, channel rolling and/or for serial production on some sections. Bendfing ID/S may be limited by unredired material distortion.



CPS20



BA SERIES CNC



- (Full PC/Windows Based CNC Controls)
- Exclusive BPR Direct Radius "PRO-Bending" Program
- Direct Radius Input & On-Board CAD Graphics allow the operator to visualize and edit shapes on screen
- Automatic Interpolation-Blending between bends speeds up and simplifies programming
- Standard Shape program Archive of most common shapes
- Servo Controlled Bending Roll Movement offers Industries Highest Level of Material Variance Control & Bending Precision
- Large Full Color Graphic Screen Interface
- Unlimited Program Memory, Hard Drive + USB Port
- RS-232 Serial Port enables use of external Lap-Top
- Automatic Interpolation/Blending & Mirror Imaging Functions
- Variable Speed Rotation & Rise/Decent of Bending Roll
- Air Oil Heat Exchanger Maintains Oil at Constant Temp. Note: BA Units Require Dedicated Rolls (Optional)

OPTIONS/ACCESSORIES

- Rolls for Tube-Pipe, Round and Square
- Custom Rolls for Extrusions & Special Sections
- Special Voltages Upon Request

STANDARD EQUIPMENT

- Adjustable Lateral Material Guides
- Service Tools + Illustrated Manual







BA20

CPS CAPACITIES Based on Mild Steels Maximum Size & Minimum I.D.

SHAPE	20	35	50
	1 x 1/4 Ø8"	2x3/8 Ø14"	2-3/4 x 1/2 Ø20**
	1-3/4 x 3/8 Ø12"	3-1/2 x 5/8 Ø16"	4x5/8Ø14"*
	1/2 Ø5"	1-1/4 Ø16"	1-1/2 Ø24"
	3/4 x 3/16 Ø8"	1-1/2x 1/4 Ø16"	2-1/4x1/4 Ø30'*
	3/4 x 3/16 Ø10"	1-1/2 x 1/4 Ø22"	2-1/4x1/4 Ø 38"
4	1 Ø6"	2 Ø14"	2-1/2 Ø20"
	1 Ø6"	2 Ø 16"	2-1/2 Ø20"
200	1-1/4 Ø8"	2-1/2 Ø18"	3-3/4 Ø 26"*
	1-1/4 Ø10"	2-1/2 Ø20"	3-3/4 Ø 30"*
	1/2 Ø4"	1-1/4 Ø16"	1-1/2 Ø 24"
600	1/2 Ø12"	1-1/2 Ø20"	2 Ø36"
600	1-1/4 x 1/16 Ø16"	2-1/2 x 1/16 Ø30"	2-1/2x10ga Ø34"
	3/4 x 1/16 Ø12"	1-1/2x1/8 Ø40"	2-1/4x1/8 Ø50"*
	1-1/4 x 3/8 x 1/16	2x 1-1/4 x 1/8	2-3/4 x 1-1/2 x 1/8*

*On some sections for limited quantities it may be possible to use standard rolls. For optimum results or if production runs are required , it is necessary to use optional rolls and or optional accessories.

Driven Rolls	3	3	3
Rolling Speed fp	om 10	13	16
Working Plane	Vertical	Vert./Horiz.	Vert./Horiz.
Reneat Control	Auto-Repeat	Auto-Reneat	Auto Repeat

Chart indicates minimum suggested inside bending diameters at maximum section size using mild Specifications subject to change/modification without prior notice - Data is approximate - ctype description of the properties of the pro



BA35



Z402 SERIES

ZM402 & ZH402 are three roll, pyramid type Universal Roll Bending Machines with manually or hydraulically adjusted forming roll. Our units roll standard/special sections and tube/pipe in a variety of material types.

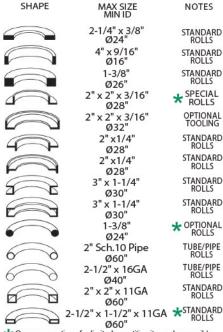
These machines are Superior In Every Aspect with a Solid Steel MAIN Frame! We use no castings in our machines unlike many other look-a likes.

Our Efficient Pyramid Design uses a wide lower inter-axis and extended forming roll vertical travel to maximize bending power.

Compare our Superior Warranty to other brands and discover the Eagle difference!



ZH402 CAPACITIES



On some sections for limited quantities it may be possible to use standard rolls. For optimum results or if production runs are required, it is necessary to use optional rolls and or optional accessories.

CHARACTERISTICS

- 3 Roll Universal Benders w/ Dual Working Positions
- Lower Rolls Powered & Knurled for Optimal Traction
- Top Roll Idle, Adjustable Up/Dn for Bending Radius LED Digital Readout monitors top roll position
 Operate Both in Horizontal & Vertical Positions
 Rugged Solid Steel Frames, NO CASTINGS
- All Shafts Rotate on Dual Bearings, NO BUSHINGS
- Top Journal Hardened Guides/Ways ADJUSTABLE
- Dual Pedal Controlled Rotation
- Dual E-Stop Buttons
- Heavy Duty Adjustable Lateral Guides w/ Bearings
- Compact, Robust, Low Maintenance Pyramid Design

STANDARD EQUIPMENT

- Universal Rolls, 18 pcs Palm E-Stop 24V Controls
- 3 Way Adjustable Lateral Material Guides & LED Readout
- Motor Overload Protection & Magnetic Cut-out

OPTIONS/ACCESSORIES

- Rolls for round tube/pipe, Cap Rail, Angles, Wide Flats
- Tight Diam. Rolls Twist & Scroll Tools Custom Tooling

SPECIFICATIONS

Positioning Repeat Ref. Shaft Dia. Roll Dia. Speed Power Dimensions Weight Hyd. / Man. LED Readout 1.57" 6.38" 14.5 fpm H 2.65/ M 1.75

32"x54"x57"

950/8901bs

2 VERSIONS w/ Horizontal/Vertical Operation

ZH402 - Pedal Controls, LED Readout, Hydr. Adjust.

ZM402 - Pedal Controls, LED Readout, Man. Adjust.







VALUE ADDED SERVICES
Demonstration / Showroom
Testing / Prototype Facility
Extrusion Die Consulting
Diagnostics and Repair
Tooling Design & Manufacture
Extrusion Die Consulting
Diagnostics and Repair
Spare Parts / Service Dept.

Our Reputation is based upon Solid Customer Satisfaction. Over 4,000 Professional Quality Benders placed in North American Shops since 1993 is a Testament to this Fact.

The Difference is Truly in the Details!

Eagle Bending Machines, Inc. leads the Roll Bending Industry with our Innovative, Professional Grade Section Bending Machines. Regardless of your shop size, Eagle will provide a bender to match your needs and fit your budget.

For over 30 Years, Our Benders have always been built to Superior Performance Standards for Precision, Versatility, and Longevity. Many additional thousands of CP Series Benders have been placed in shops around the globe. The Eagle brand is renowned worldwide.

Our Factory Trained Sales and Service Personnel, Application Engineers, Tooling Designers and support staff form a team with over 100 years of experience for your benefit. Eagle's Testing Facility and CNC Machine Shop produce Custom Rolls and Tooling to accomplish the most demanding roll bending applications. We are Solution Oriented and have an extensive stock of machines- tooling-parts ready to ship.

Eagle machines are rated highest in overall customer value and satisfaction with features and benefits that outperform any other. Units are tested 2 or more times at our facility to insure the highest level of quality control. We supply tooling, accessories and parts for machines placed in service over 30 years ago.

Eagle provides the highest level of Value to Cost and Long Term Return on Investment. Our Products are backed by an UNMATCHED Warranty and Professional Customer Service.

Tour our web site to discover for yourself how our unique features and Attention to Details become added benefits to your business!

www.eaglebendingmachines.com / sales@eaglebendingmachines.com



Eagle bentants
one of our
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shop pidecad

Our
prod

CP30PRM in Vertical & Horizontal Positions

Eagle Bending Machines is proud to have one of our roll benders chosen for the Falcon custom fabrication shop

Ian Barry's Falcon Motorcycles has skyrocketed to the top of the bike building scene and this is just the beginning!

Falcon builds high end custom bikes so it stands to reason they would choose the best built, longest lasting, and best selling section bender in the world: our Eagle model CP30 roll bender as the newest piece of fabricating equipment for their shop.

Even in tough economic times Eagle Bending Machines rises to the top. Thanks to our loyal customers we've been able to maintain our unprecedented run as THE premier supplier of job shop roll benders in North America for over a decade. Check back soon for exciting updates

Our high quality machines, in house tooling production, research and development team, and knowledgeable sales staff have also helped to keep us on top.

Call Eagle today for assistance with your roll bending applications. We have nearly every machine model in stock and ready for delivery with the tooling of your choice.

"We pride ourselves on high quality work created by true craftsmen and artisans. It only makes sense that we buy the highest quality equipment on the market. This led us to a purchase that has paid for itself numerous times. Now, 6 years later our Eagle Bending Machines CP40H has become one of the most important pieces of equipment in our shop. Eagle has continued to be there for all of our application questions and tooling needs over the years since our purchase. Any shop that is considering a roll bender purchase can't afford NOT to buy Eagle!"





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