



COASTONE

THE POWER OF PRECISION



AUTOMECH

Box 519 - 82 Calvary Street, Waltham, MA 02453

Tel: (781) 893-3403

Fax: (781) 899-5708

E-mail: Sales@Automec.com

CoastOne: C & G Series

25 Ton - 150 Ton, 2.85ft - 13.4ft

Automec, Inc. is now the Certified USA Distributor of CoastOne servo-electric press brakes. The machines are built in Finland, home to Europe's highest quality machine exports. Automec handles sales and service for customers in the U.S., as they have been with their backgauge systems for the last 47 years. Servo-electric press brakes are becoming the future in press brake technology. By the term, "servo-electric," it may seem hard to believe that these machines conserve more electricity than traditional hydraulic press brakes. However, CoastOne servo-electric press brakes are not running hydraulic pumps and heating fluids all day. These press brakes only use energy when in motion and conserve the energy otherwise.

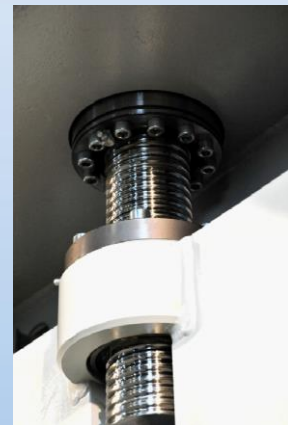


The bigger CoastOne press brakes (G-Series) have "automatic crowning." The upper beam is "following" the lower beam and the servo ball screws correct individually the parallelity in steps of less than 5 microns.

The Multi-CNC-axis crowning is a unique system. Each axis of the upper beam works simultaneously as a crowning axis. In that way, the upper beam can be CNC deflected. Each axis works separately and independently according to the needs, without making compromises. "The accuracy and repeatability of these machines is 0.00008."

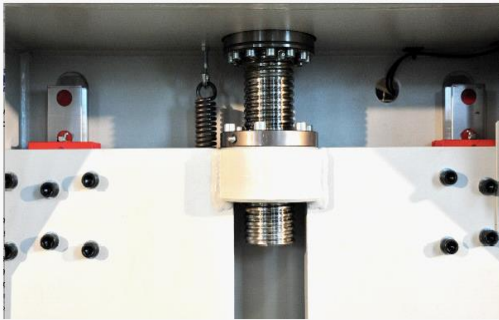
SERVO ELECTRIC – NO HYDRAULIC PUMPS OR FLUIDS

- No oil, no waste treatment, no leakage
- Saves energy (many customers claim 2/3 energy savings)
- Less maintenance
- Fast and accurate
- Temperature stability
- Environmentally friendly
- Direct drive system - no belts and pulleys



SERVO + BALLSCREW (CoastOne)

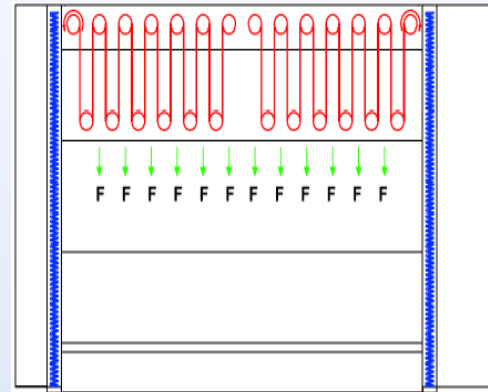
- Automatic crowning - varying force per drive
- High accelerations, direct positioning
- Fast and precise (< 5 micron)
- Bending with one servo = 25 tons (C9)
- A beam with ball screws does not drift
- Allows for our C-Frame design (smaller brakes)
- Monitoring position with rotary encoders is very accurate & precise
- Any deflection in frame does not hinder accuracy



V.S.

SERVO MOTORS + BELT DRIVE (Many Competitors)

- Crowning system still necessary
- High accelerations, slow positioning
- Positioning by 2 linear scales at side-frames, as seen on hydraulic machines Y1, Y2
- Bending force amplified by pulleys
- Only 2 servos for 20 - 100 ton
- Minimal price difference between models
- Needs big springs on side of machine (keeps bending beam up /security)
- O-Frame design only



CoastOne:

C - Series:

C-FRAMES FOR SMALL
PRESS BRAKES -
CONE C9/C12/C15

- C-Frames have free access from the side (no restriction by side-frames)
- Can use longer tools for thin bending
- Longer boxes can be bent
- C-Frames are ideal for small press brakes, as their frames are usually very stiff

G - Series:

O-FRAMES FOR LARGE
PRESS BRAKES -
CONE G20/G25/G30/G40

- O-Frames are symmetric, stiffer and more precise
- O-Frames allow the bending force distribution over whole length of brake
- O-Frames have many advantages in longer press brakes, as they have less deformations than the asymmetric C-Frames

FLEXIBLE TOOL SYSTEM:

- 19 in. of open height, including clamping devices
- 9 in. stroke length

MANY TOOLING AND CLAMPING SYSTEMS ARE SUITABLE:

- AMADA/Promecam, Wila/Trumpf, Bystronic, etc.
- Short and tall tooling
- Hydraulic or mechanic clamping options
- Easy to change/upgrade (AMADA-connections)
- Flexible tool clamping

X-Series:

Over 2 ½ ft. of open height
Over 9 in. of stroke length

Bending of boxes with side heights up to 15 ¾”
AMADA/Promecam tool-adapters H=19”
Options same for all C-Series models

EASY PROGRAMING:

CoastOne Omron Control

- 250 job storage w/ 8 bends per job
- 50 upper tool storage & 50 lower tool storage
- Alphanumeric job & tool storage
- Control developed for the C-Series & G-Series
- Easy to learn, operator is a pro after ½ day of training
- All important bending functions available



The technology behind the CoastOne press brake is the “direct-drive system,” which uses servo motors directly tied to ball screws to administer force. Because of the “direct-drive system,” the ram monitors encoders on each drive, as opposed to only monitoring linear scales on the sides (as many competitors do). This in turn offers an outrageous accuracy of 0.000079 inches! While some customers do not have extremely tight tolerances, “it’s better to have it and not need it, than to need it and not have it.”—If the price is right, how can you ignore that moto? Automec’s price IS RIGHT. Starting at \$55,000.00 you can invest in one of these ergonomic, fast and accurate machines!

Automec - CoastOne Specifications:

Specification	C9	C9X	C12	C15	C15X	G20	G25	G30	G40
Tonnage	25 ton	25 ton	50 ton	50 ton	50 ton	60-72 ton	80-96 ton	100-120 ton	150 ton
Max. bending length	34.17"/2.85'	34.17"/2.85'	51"/4.25'	63"/5.25'	63"/5.25'	82.7"/6.9'	102"/8.5'	122"/10'	161"/13.4'
Distance between frames	31.81"	31.81"	48.00"	60.24"	60.24"	86.6"	106.0"	126.0"	165.0"
Throat depth	7.87"	7.87"	5.90"	5.90"	5.90"	n/a	n/a	n/a	n/a
Open height max	15.75"	31.50"	19.68"	19.68"	31.5"	19.7"	19.7"	23.6"	23.6"
Open height min	9.84"	9.84"	9.84"	9.84"	9.84"	8.66"	8.66"	12.60"	12.60"
Y axis stroke length	5.91"	5.91"	9.84"	9.84"	9.84"	11"	11"	11'	11'
Y axis speed, approach/return	236IPM	236IPM	236IPM	236IPM	236IPM	236IPM	236IPM	236IPM	189IPM
Y axis speed, forming max	23.6IPM	23.6IPM	23.6IPM	23.6IPM	23.6IPM	23.6IPM	23.6IPM	23.6IPM	23.6IPM
Y axis accuracy	+/- 0.0000787"	+/- 0.0000787"	+/- 0.0000787"	+/- 0.0000787"	+/- 0.0000787"	+/- 0.0000787"	+/- 0.000079"	+/- 0.000079"	+/- 0.000079"
X axis stroke	15.75"	15.75"	23.62"	23.62"	23.62"	23.6"	23.6"	23.6"	23.6"
X axis speed	14.76IPS	14.76IPS	19.69IPS	19.69IPS	19.69IPS	19.69IPS	19.70IPS	19.70IPS	19.70IPS
X axis accuracy	+/- 0.00197"	+/- 0.00197"	+/- 0.00197"	+/- 0.00197"	+/- 0.00197"	+/- 0.00098"	+/- 0.00098"	+/- 0.00098"	+/- 0.00098"
R axis stroke	5.32"	5.32"	7.87"	7.87"	7.87"	7.9"	7.9"	7.9"	7.9"
R axis speed	236IPM	236IPM	236IPM	236IPM	236IPM	141IPM	236IPM	236IPM	236IPM
Motor power	6.7HP	6.7HP	13.4HP	13.4HP	13.4HP	17.7HP	26.8HP	33.5HP	40HP
Machine weight	4,409lbs.	4,409lbs.	6,173lbs.	6,614lbs.	6,614lbs.	8,818lb.	11,023lb.	13,228lb.	15,432lb.
Machine width, foot to foot	43.5	43.5	76"	87.8"	87.8"				
Machine width, frame	34.17"	34.17"	51"	63"	63"	119"	138"	138"	197"
Machine depth	47.24"	47.24"	61"	31.32"	31.42"	78"	78"	78"	78"
Machine height	82.68"	82.68"	89.76"	89.76"	89.76"	93"	104"	116"	116"
Control	Omron	Omron	Omron	Omron	Omron	Omron	Omron	Omron	Omron
Servo motor	Yaskawa/ Panasonic	Yaskawa/ Panasonic	Yaskawa/ Panasonic	Yaskawa/ Panasonic	Yaskawa/ Panasonic	Yaskawa/ Panasonic	Yaskawa/ Panasonic	Yaskawa/ Panasonic	Yaskawa/ Panasonic
Ball screws	1	1	2	2	2	3	4	5	6



Box 519 - 82 Calvary Street, Waltham, MA 02453
 Tel: (781) 893-3403
 Fax: (781) 899-5708
 E-mail: Sales@Automec.com