



COASTONE

THE POWER OF PRECISION



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CoastOne C & G-Series

25 Ton - 150 Ton, 2.85 ft. -13.4 ft.

Automec, Inc. is the Certified USA Distributor of CoastOne servo-electric press brakes. These 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 with their backgauge systems for over 50 years. Servo-electric press brakes are the future of press brake technology. By the term, "servo-electric," it may seem hard to believe that these machines actually utilize significantly less electricity than traditional hydraulic press brakes. CoastOne servo-electric press brakes are not running hydraulic pumps and heating fluids all day. These press brakes only use measurable energy when the ram is in motion.



SMALL

The small CoastOne press brakes are great machines for bending small parts fast and accurately (0.00008"). They can be easily transported around a shop with a forklift. Customers can free up capacity on larger machines with these energy efficient, quiet, work-horses. If you need an extremely accurate, repeatable and fast machine, this is the undoubtably the right choice for your application.

LARGE

The large CoastOne press brakes (G-Series) are unique because we do not convert them to a servo-hydraulic system (most competitors). Our machines utilize ball screws and servo motors (up to 6 screws and 6 servos). With this technology, our machines offer "automatic crowning." Each axis of the upper beam works simultaneously as a crowning axis. This way, the upper beam can be CNC deflected. Each axis works separately and independently without making compromises. The press brakes offer 0.00008" accuracy and repeatability!

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
- Extremely fast and accurate
- Temperature stability
- Environmentally friendly
- Direct drive system - no belts and pulleys



CoastOne SERVOS + BALLSCREWS

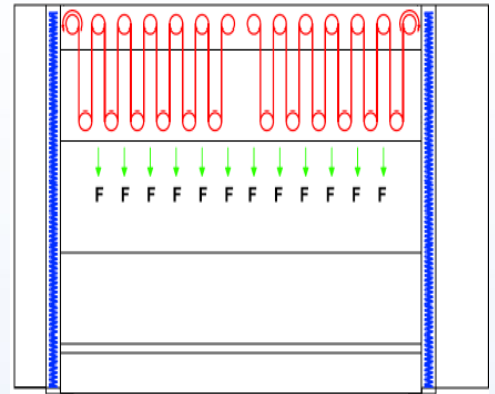
- Fast accelerations, direct positioning
- Monitoring position with rotary encoders on servos is very accurate & precise (< 5 microns)
- Any deflection in frame does not hinder accuracy
- Can bend with one servo = 25 tons (C9)
- A beam with ball screws does not drift
- Allows for our C-Frame design (smaller brakes)
- Automatic crowning - varying force per drive (3+ drive machines)



Competitors SERVOS + BELT DRIVE

- Fast accelerations, slow positioning
- Positioning by 2 linear scales at side-frames, same as 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
- Crowning system still necessary

V.S.



CoastOne Models

C - Series:

C- Frames- **Small Press Brakes**

CoastOne C9/C12/C15

- C-Frames have open access from the side (no restriction w/ 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- **Large Press Brakes**

CoastOne 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“- 23” Open Height, Including Clamping Devices
- 9“- 11” Stroke Length

EASY PROGRAMING:

CoastOne TC15-2D Control

- Unlimited Job Storage
- Unlimited Tool Storage
- Alphanumeric Jobs and Tools
- Tool Library
- USB Backup
- Graphical Simulation
- Extremely User-Friendly (1 Day Training)

UNIVERSAL TOOL/ CLAMPING OPTIONS:

- AMADA/Promecam, Wila/Trumpf, Bystronic, American
- Tall and Short Tooling
- Hydraulic, Pneumatic 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

Bend boxes with flange heights up to 15 ¾”
AMADA/Promecam tool-adapters H=19”
Options are the same for all C-Series models



The advanced technology behind the CoastOne press brake is the “direct-drive system,” which uses servo motors directly tied to ball screws to administer force. With the “direct-drive system,” the ram monitors encoders on each drive, as opposed to monitoring linear scales on the side frames (as most competitors do). This in turn offers an outrageous accuracy of 0.00008 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.” You never know what the future may bring!

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	33.5"/2.79'	33.5"/2.79'	51"/4.25'	63"/5.25'	63"/5.25'	80.3"/6.9'	100"/8.3'	120"/10'	160.6"/13'
Distance between frames	31.0"	31.0"	49.0"	61.0"	61.00"	86.6"	106.0"	126.0"	165.4"
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	236 IPM	236 IPM	236 IPM	236 IPM	236 IPM	236 IPM	236 IPM	236 IPM	189 IPM
Y axis speed, forming max	23.6 IPM	23.6 IPM	23.6 IPM	23.6 IPM	23.6 IPM	23.6 IPM	23.6 IPM	23.6 IPM	23.6 IPM
Y axis accuracy	+/- 0.000079"	+/- 0.000079"	+/- 0.000079"	+/- 0.000079"	+/- 0.000079"	+/- 0.000079"	+/- 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	14.76 IPS	14.76 IPS	19.69 IPS	19.69 IPS	19.69 IPS	19.69 IPS	19.70 IPS	19.70 IPS	19.70 IPS
X axis accuracy	+/- 0.001"	+/- 0.001"	+/- 0.001"	+/- 0.001"	+/- 0.001"	+/- 0.001"	+/- 0.001"	+/- 0.001"	+/- 0.001"
R axis stroke	5.32"	5.32"	7.87"	7.87"	7.87"	7.9"	7.9"	7.9"	7.9"
R axis speed	236 IPM	236 IPM	236 IPM	236 IPM	236 IPM	141 IPM	236 IPM	236 IPM	236 IPM
Motor power	6.7 HP	6.7 HP	13.4 HP	13.4 HP	13.4 HP	17.7 HP	26.8 HP	33.5 HP	40 HP
Machine weight	4,409 lbs.	4,409 lbs.	6,173 lbs.	6,614 lbs.	6,614 lbs.	8,818 lb.	11,023 lb.	13,228 lb.	15,432 lb.
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



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