



CNC Servo Electric Press Brake



EP-GMT Series
8 Ton x 450mm
12 Ton x 600mm
16 Ton x 600mm

GMT Solutions
JALANDHAR



In pursuasion of our belief and slogan "Innovation works" ,

Our core team has been working to find a perfect and productive solution for bending small child parts in fast upgrading sheet metal fabrication industry.

Continuous efforts and team work enabled us to offer "*innovative machine* " concept which combines productivity-accuracy-flexibility with ecological aspects called

Green machine ECO Bend EP series.

Operating principle of this machine is based on transformation of rotational motion to linear motion. In this case it is possible to generate large pressing force with low input force.

EP series press brakes are driven via brush less AC servo motors to ball screw and machine movement is almost instantaneous add to that minimum reaction time which gives a much faster ram speed and back gauge speed -

40 % faster productive rate is possible

Accurate

Productive

Reliable

Eco friendly

EP CNC Servo Electric Press Brake

Economical

Less Power

Quiet

**Robust
Body**

Servo Electric Bress Brake

NO

Hydraulic Press Brake

**NOISE
HYDRAULIC OIL
HYDRAULIC PUMP
HYDRAULIC FILTER
HYDRAULIC SEALS
HYDRAULIC VALVES
CYLINDERS & PISTON
HYDRAULIC PIPING
HYDRAULIC MANIFOLD**

This is a perfectly ideal machine for small bends in series with high productivity and repeatability.

EP - ALL ELECTRIC PRESS BRAKE : *doubles bending productivity & increases accuracy*
thus saves money

Advantages:



Limited power during idle time - 50% less than Hydraulic Press Brake.



Less power during bending stroke as servo drives are more energy efficient.



More accuracy with high repeatability as ram positioning via servo motors + ball screw is more precise than hydraulic cylinders.



Eco friendly as no hydraulic oil.



High on productivity as servo drives has high acceleration and deceleration with quick change of moving direction.



Low on maintenance as has very fewer parts compared to hydraulic press brake



Works quietly, hence noise pollution free.



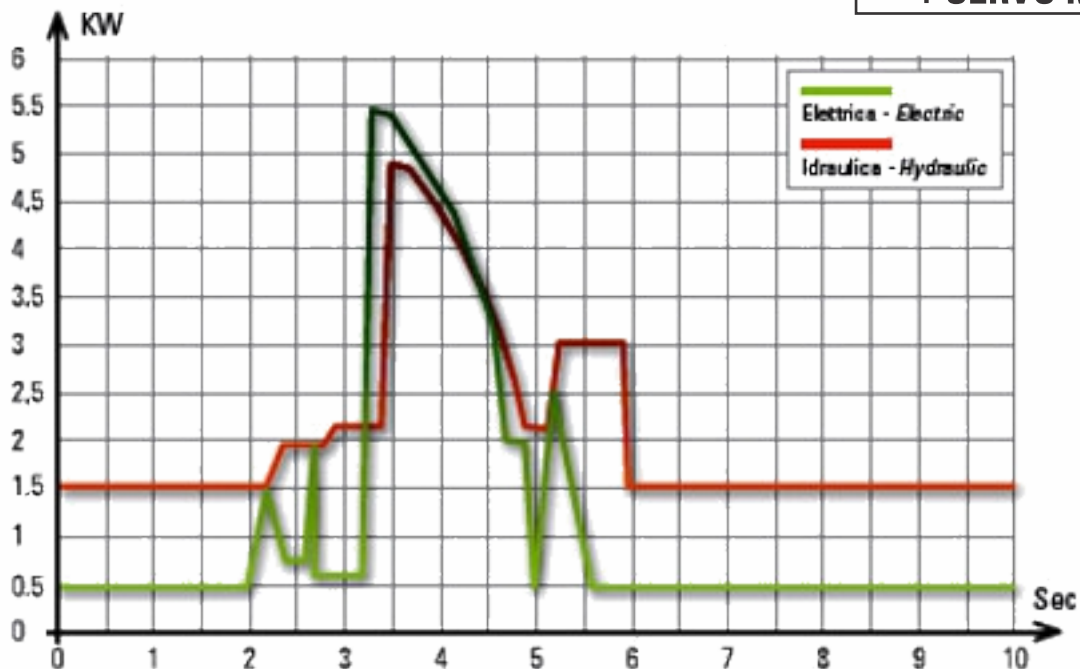
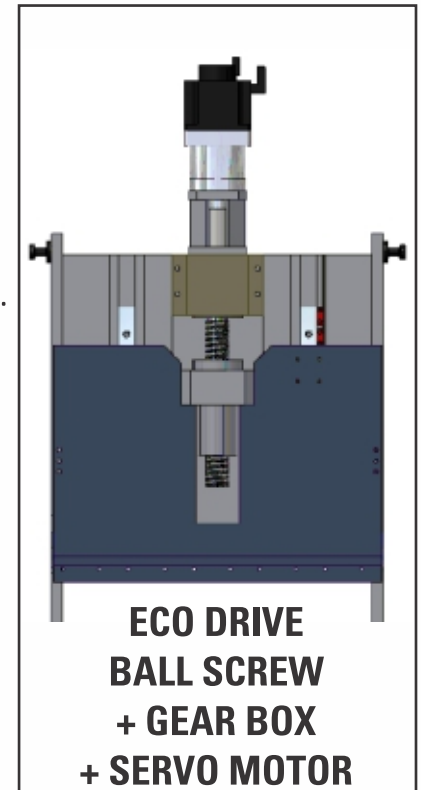
High on performance with no hydraulic oil to cool, the heat generation is eliminated.



High repeatability even after long use as Hydraulic Press Brake is prone to internal leakage, hydraulic deteriorates over time/use



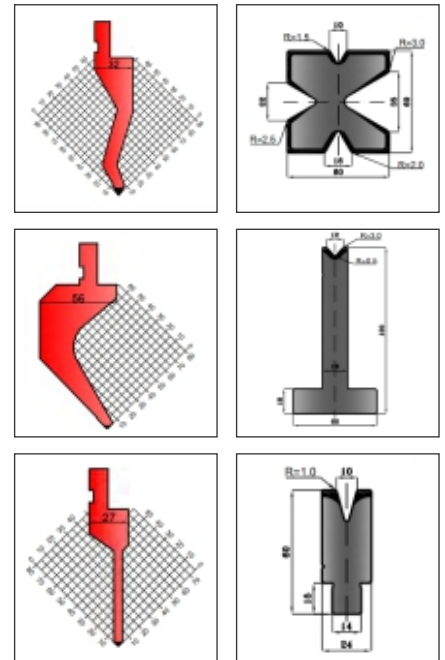
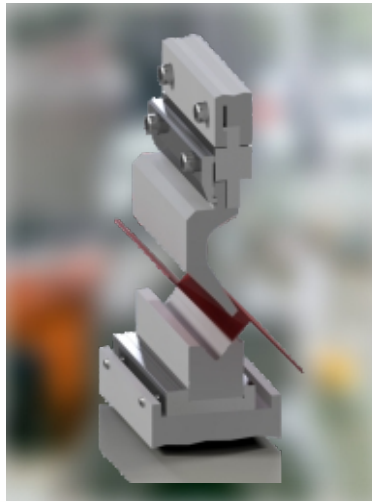
Economical in bending small parts.



Results obtained with bending force of 22 Ton and cycle duration of 6 - 8 sec.
 As can be seen from the above graph the Green (EB) machine has lower Power consumption of more than **50%**

Tools & Adaptors

EP Series press brake is offered with Italian Amada-Promecam Style Toolings.



Model	Capacity	Working Length	Between Columns	No. of Ball Screw	Day light	Throat	Stroke Length	Approach Speed	Bending Speed	Return Speed	Table Height	Motor	Weight
	Tons	mm	mm	Nos	mm	mm	mm	mm/Sec	mm/Sec	mm/Sec	mm	Kw	Kgs
EP-08450	8	450	400	1	280	220	90	180	1-30	180	2000	3	1800
EP-12600	12	600	550	1	300	250	120	200	1-30	200	2300	5.5	2200
EP-16600	16	600	550	1	300	250	120	200	1-30	200	2300	5.5	2200

Above Specification are subject to change due to continuous upgradation

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