

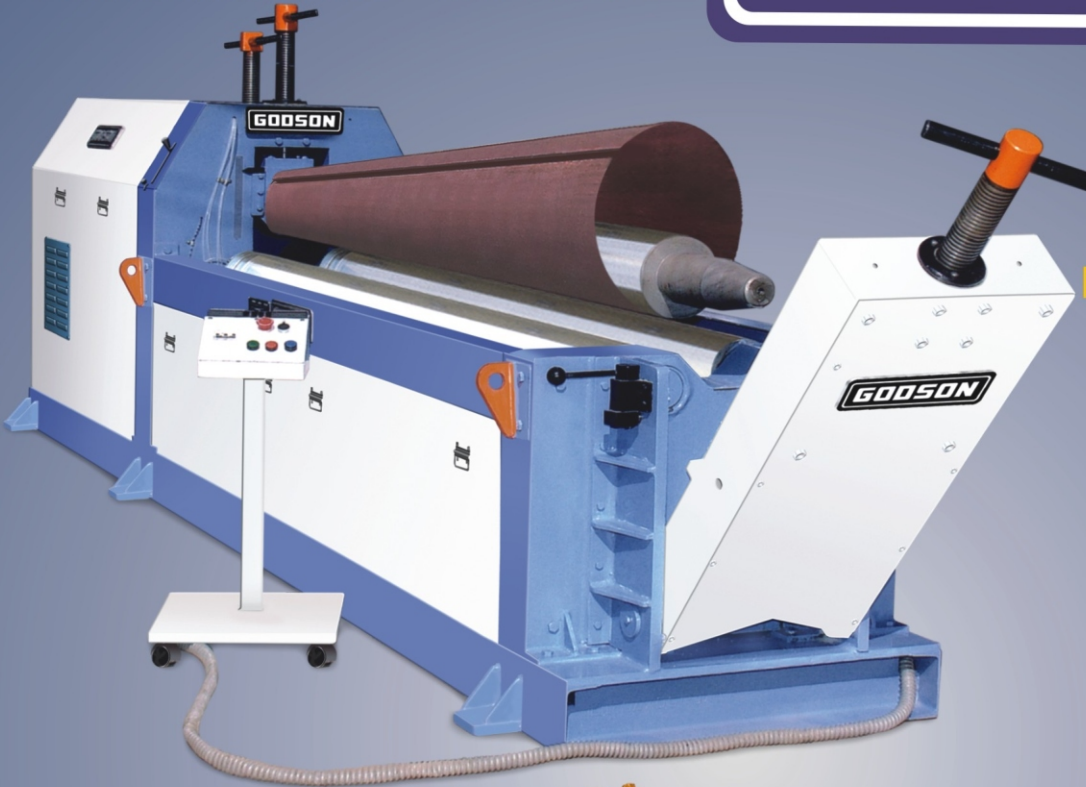


# 3 ROLL STANDARD PYRAMID PLATE BENDING MACHINE

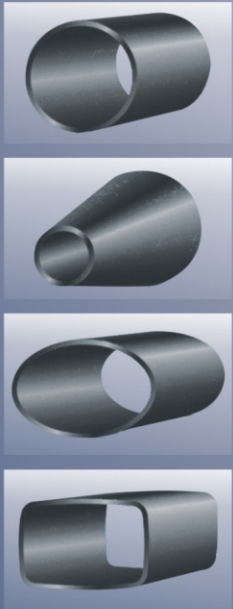
Godson Ultimate Bending Solutions

An ISO 9001 : 2008 Certified Company <sup>®</sup>

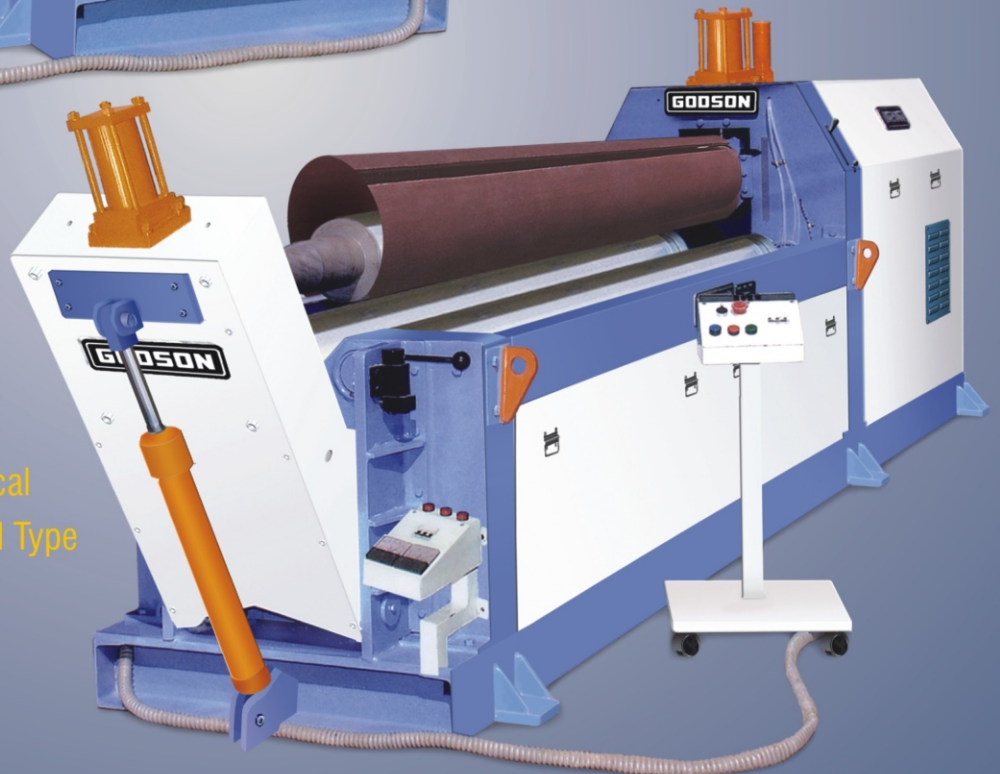
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Mechanical Standard  
Pyramid Type



Hydro - Mechanical  
Standard Pyramid Type



# GODSON

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

## 3 ROLL STANDARD PYRAMID TYPE PLATE BENDING MACHINES

- Easy to maintain and useful for various Jobs.
- Modern design and rigid structure.
- So simple mechanism that even semi-skilled worker can do accurate job.
- Very useful for getting Cylindrical shapes and better performance. It works with 3 Rolls Pyramid principals. Bottom rolls are fixed and driven by Gears and worm Reduction Gear Box. Top roll rotates in fixed position and can be adjusted up & down manually by adjustable screws, In mechanical version and by Hydraulic system & cylinder in Hydro mechanical version.
- Housing are made from M. S. Plate of suitable strength and mounted on heavy base frame, Rolls are made from forged steel and perfectly machined for accurate result. For correct feeding and grip axial grooves are provided on bottom rolls. Screw jack/extra Hydraulic cylinder is given to keep top roll horizontal when formed shell is to take out.
- Our machines are fitted with Electric Brake Motor and Movable Control Panel, so that machine can be stopped at any stage of operation, hence the shape in rolling as per requirement is most possible and due to the movable control panel machine can be operated very easily.
- Machine is fitted with total 2 nos. Gear Box, Electric Brake Motor, Push Button Type Movable operating switch board and Electric control panel for easy & safe operation.
- First time in India, we only offer the machine with double Gear box, one is worm gear box and another is spur reduction gear box, due to this the fatigue in operation and overload on electric motor & worm reduction gear box is totally avoided even when machine is Working in over capacity and more over bending operation become more easy.
- Whole machine is made out of quality prime materials.
- Only Top Roll Pressing (Up-Down) and opening - closing of drop - end are through hydraulic system & cylinders all other operations are carried out mechanically in hydro-mechanical version. In mechanical version Top Roll Pressing is manually by means of screws and opening / closing of end-dropper is manual or motorized.
- Hydro-Mechanical Machine required less man power compare to mechanical version, the same directly Effect your production rate and finish job value.
- Apart from above the rates are more competitive in its range.

### TECHNICAL SPECIFICATION

MODEL NO.	CAPACITY MM.	ROLL DIA. MM.	MAIN DRIVE H.P.	END. DROPPER. H.P.	MODEL NO.	CAPACITY MM.	ROLL DIA. MM.	MAIN DRIVE H.P.	END. DROPPER. H.P.
GPB 10:04	1000 x 4 MM	105/100	3.00	Manual	GPB 12:16	1250 x 16 MM	205/165	10.00	1.00
GPB 12:04	1250 x 4 MM	115/105	3.00	Manual	GPB 15:16	1500 x 16 MM	220/170	10.00	1.00
GPB 15:04	1500 x 4 MM	125/110	5.00	0.75	GPB 20:16	2000 x 16 MM	230/180	10.00	1.50
GPB 20:04	2000 x 4 MM	135/115	5.00	1.00	GPB 25:16	2500 x 16 MM	250/210	20.00	2.00
GPB 25:04	2500 x 4 MM	170/145	7.50	1.00	GPB 30:16	3000 x 16 MM	290/220	25.00	2.00
GPB 30:04	3000 x 4 MM	180/150	7.50	1.00	GPB 12:20	1250 x 20 MM	220/170	10.00	1.50
GPB 10:06	1000 x 6 MM	130/105	3.00	0.75	GPB 15:20	1500 x 20 MM	240/190	12.50	1.50
GPB 12:06	1250 x 6 MM	135/110	3.00	0.75	GPB 20:20	2000 x 20 MM	260/220	15.00	2.00
GPB 15:06	1500 x 6 MM	160/135	5.00	1.00	GPB 25:20	2500 x 20 MM	275/215	20.00	3.00
GPB 20:06	2000 x 6 MM	170/140	7.50	1.00	GPB 30:20	3000 x 20 MM	290/250	25.00	3.00
GPB 25:06	2500 x 6 MM	185/155	10.00	1.50	GPB 12:25	1250 x 25 MM	260/220	15.00	1.50
GPB 30:06	3000 x 6 MM	220/180	10.00	1.50	GPB 15:25	1500 x 25 MM	275/230	20.00	1.50
GPB 12:10	1250 x 10 MM	160/135	5.00	1.00	GPB 20:25	2000 x 25 MM	290/250	20.00	2.00
GPB 15:10	1500 x 10 MM	170/140	7.50	1.00	GPB 25:25	2500 x 25 MM	310/260	30.00	3.00
GPB 20:10	2000 x 10 MM	185/155	10.00	1.50	GPB 30:25	3000 x 25 MM	330/275	40.00	3.00
GPB 25:10	2500 x 10 MM	220/165	10.00	1.50	GPB 12:30	1250 x 30 MM	280/220	15.00	1.50
GPB 30:10	3000 x 10 MM	245/225	20.00	1.50	GPB 15:30	1500 x 30 MM	290/230	20.00	2.00
GPB 12:12	1250 x 12 MM	185/140	7.50	1.00	GPB 20:30	2000 x 30 MM	320/250	25.00	2.00
GPB 15:12	1500 x 12 MM	185/155	10.00	1.00	GPB 25:30	2500 x 30 MM	350/260	30.00	3.00
GPB 20:12	2000 x 12 MM	215/170	10.00	1.50	GPB 30:30	3000 x 30 MM	360/330	40.00	3.00
GPB 25:12	2500 x 12 MM	240/180	15.00	1.50					
GPB 30:12	3000 x 12 MM	260/225	20.00	1.50					

### STEPS OF BENDING OPERATIONS

-  The Plate can be bent on machine by hammering as shown if the thickness of the plate is half than rated capacity. Thicker plates should be prebent outside the machine.
-  Place the Plate between bottom and top rolls by adjusting top roll manually / hydraulically.
-  Down the top roll and give pressure on the plate. Then start Main motor in clock wise direction till one end of the plate comes over first bottom roll Reverse the Motors and get second end on second bottom.
-  Continue above process until you get desired shape as shown in picture

(1) All the capacity stated above are related to MILD STEEL of 42 kg./MM<sup>2</sup> (2) Max. Cone Bending Capacity possible is 70% of pre-bending thickness. (3) +/- 4% Tolerance on all Roll diameters. (4) All dimensions are in MM (5) Capacities not mentioned above are available on request & demand. (6) We reserve the right to modify the design, system, construction, dimension, weight, HP, Hydraulic Tonnage & any other specifications of our machine without any prior notice for better performance of machine.