



PROFILE BENDING MACHINES



All models of GODSON section bending machines are designed & built according to the latest technology & experience of the field of last 20 years. The Material & components used are thoroughly tested in all practical bending situations and with the GODSON section bending machine the bending operation can be carried out with a minimum of manual efforts.

The main frame of the machine is of all steel welded construction, heavily proportional and welded to a structural steel base, stress relieved and machined. All three rolls are made out of alloy steel, heat treated, All shafts, Pinions & gears are also from alloy steel, rotating on high dynamic load spherical roller bearing, Rolls are driven by a special designed gear box and Electric Brake Motor or Hydraulic Motor (whichever is suitable). The two lower rolls are adjustable through individual gear box & brake motor or through hydraulic cylinders. The hydraulic unit is protected against over-load and Non-return valves elements the possibilities of lower, changing position during the bending operations.

The Drive & Method of rolls adjustment of GODSON section bending machine give them a unique & universal range of capacities with pre bending of both the leading and trailing edges without the need to remove and turn the section being bent and with a minimum of losses in material. All operations are carried out by Potable push button type movable control desk. Machine is available in two different versions i.e.

ELECTRO-MECHANICAL:

Suitable to bend light & medium duty sections, lower roll adjustment are through individual Gear box & electric brake Motor.

HYDRO-MECHANICAL:

Suitable to bend heavy duty sections, lower rolls adjustment are through hydraulic power pack unit & individual hydraulic cylinders.
















* Capacity: mild steel of tensile strength 42 kg./mm²

* Capacity not mention in data table are available on request or demand.









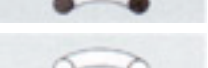






* Minimum diameter obtainable with profiles are reduced dimension, not less then 1.5 times roll dia.

STANDARD EQUIPMENTS: * Three Power Rolls (Only one set of standard roll, suitable/required by the customer is supplied with the machine) * Side Guide Roll * Hand operated push button type movable contro switch/desk.

TECHNICAL SPECIFICATION

MACHINE TYPE		ELECTRO-MECHANICAL (LIGHT DUTY)		HYDRO-MECHANICAL (LIGHT DUTY)	
		GSB-30 LEM	GSB-40 LEM	GSB-50 LHM	GSB-60 LHM
1		30 X 5 ø 350	40 X 5 ø 450	50 X 6 ø 600	60 X 6 ø 650
2		25 X 5 ø 350	35 X 5 ø 450	40 X 5 ø 400	50 X 5 ø 500
3		30 X 5 ø 350	40 X 5 ø 450	50 X 50 ø 500	60 X 60 ø 600
4		20 X 20 ø 350	35 X 5 ø 450	40 X 40 ø 500	50 X 50 ø 600
5		30 X 30 ø 500	40 X 5 ø 450	50 X 50 ø 600	60 X 60 ø 700
6		30 X 20 ø 350	40 X 20 ø 450	50 X 25 ø 400	75 X 40 ø 600
7		30 X 20 ø 450	35 X 20 ø 550	50 X 25 ø 500	70 X 40 ø 750
8		35 X 8 ø 250	40 X 8 ø 350	50 X 8 ø 400	60 X 10 ø 450
9		40 X 12 ø 300	50 X 12 ø 450	63 X 16 ø 400	75 X 20 ø 500
10		20 X 20 ø 300	22 X 22 ø 400	25 X 25 ø 300	32 X 32 ø 400
11		ø 22 ø 220	ø 22 ø 350	ø 25 ø 300	ø 32 ø 380
12		30 X 1.5 ø 400	40 X 1.5 ø 450	50 X 1.5 ø 500	60 X 2 ø 600
13		30.5 X 2.3 ø 400	40.4 X 2.3 ø 450	42.4 X 3.5 ø 450	48.3 X 4 ø 500
14		30 X 20 X 2	35 X 20 X 2	40 X 25 X 2	60 X 25 X 3
15		25 X 25 X 2	30 X 30 X 2	35 X 35 X 2	45 X 45 X 3
16		...	...	...	...
17		...	...	...	...
18		...	...	...	...
TOTAL POWER	MANUAL BOTTOM ROLL ADJUSTMENT	2 H.P.	2 H.P.	...	...
	MOTORISED BOTTOM ROLL ADJUSTMENT	4 H.P.	4 H.P.	4.5 H.P.	4.5 H.P.

TECHNICAL SPECIFICATION

MACHINE TYPE		HYDRO-MECHANICAL (MEDIUM DUTY)		HYDRO-MECHANICAL (HEAVY DUTY)	
		GSB-80 MMH	GSB-100 MMH	GSB-130 HEM	GSB-150 HEM
1		80 X 8 ø 900	100 X 12 ø 1300	130 X 12 ø 1300	150 X 16 ø 1600
2		70 X 6 ø 700	90 X 10 ø 1000	100 X 12 ø 1100	120 X 12 ø 1500
3		80 X 80 ø 800	100 X 100 ø 1000	130 X 130 ø 1200	150 X 150 ø 1600
4		70 X 70 ø 800	80 X 80 ø 1000	100 X 100 ø 1200	140 X 140 ø 1600
5		80 X 80 ø 900	100 X 100 ø 1200	130 X 130 ø 1300	150 X 150 ø 1800
6		100 X 50 ø 700	125 X 65 ø 850	150 X 75 ø 900	200 X 75 ø 1200
7		100 X 50 ø 900	125 X 65 ø 1000	150 X 75 ø 1200	200 X 75 ø 1400
8		75 X 15 ø 700	100 X 20 ø 1000	125 X 25 ø 1250	150 X 25 ø 1400
9		100 X 25 ø 650	125 X 35 ø 800	150 X 50 ø 1000	200 X 40 ø 1500
10		45 X 45 ø 500	50 X 50 ø 750	63 X 63 ø 800	75 X 75 ø 1200
11		ø 45 ø 550	ø 50 ø 750	ø 63 ø 900	ø 75 ø 1200
12		75 X 2 ø 1500	100 X 3 ø 2800	125 X 4 ø 3000	150 X 5 ø 5000
13		63 X 4.5 ø 750	75 X 5 ø 1200	100 X 5 ø 1600	150 X 6 ø 2200
14		80 X 40 X 4	120 X 50 X 4	140 X 50 X 5	180 X 70 X 8
15		60 X 60 X 4	80 X 80 X 5	90 X 90 X 6	100 X 100 X 8
16		...	100 X 50 ø 1000	125 X 75 ø 1200	150 X 80 ø 2200
17		...	100 X 50 X 2200	125 X 65 X 2800	150 X 80 X 5000
18		...	100 X 50 X 2200	125 X 75 X 2600	150 X 80 X 4000
TOTAL POWER	MANUAL BOTTOM ROLL ADJUSTMENT	...	...	...	...
	MOTORISED BOTTOM ROLL ADJUSTMENT	7 H.P.	15 H.P.	25 H.P.	40 H.P.