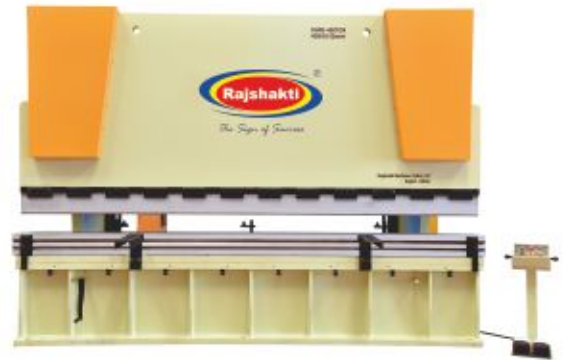




Manufacturer & Exporter of **Sheet Metal Machineries**



Corporate Product
BROCHURE
2018-19

www.rajshaktimachines.com





The Sign of Success

www.rajshaktimachines.com



Working Since
1984 to
Make The World
happy
again



COMPANY PROFILE

Rajshakti is India's premier company engaged in the manufacturer and export of premium quality Sheet Metal Machineries. Since our inception in 1984, we have been catering to the needs of various industries with utmost precision. Our professional management, sound infrastructure and skilled workforce has enabled us to manufacture wide range of sheet metal machinery that functions with precision and still are low in costing. With over four decades of experience, we have not just gained the experience and expertise to fabricate a vast range of products but have also gradually come to be regarded as one of the pioneers in our field.

At, Rajshakti we have a strong infrastructure setup. Our state of the art manufacturing unit well equipped with the latest machineries and managed by well qualified & experienced Engineers help us to design and manufacture superior quality products that confirms to international standards.

Following stringent quality control procedures, we maintain a strict vigil on the entire manufacturing process and test all our products for any manufacturing flaws at our quality control department.

The manufacturing facilities are among the most sophisticated in India. The organization manufacturers most of the critical parts in-house to maintain the high international quality standards of its products.

The organization has reached its leadership position through a continuous commitment to quality innovation and proven dedication to meet the ever-changing needs of its customers in all kinds of industries. Keeping this in mind it has established an ultra modern, ISO- 9001 Certified manufacturing facility on par with international standards.

We export in

Oman, Sharjah, UAE, Bangladesh, Sri Lanka, South Africa, Algeria, Kenya and more...

H Type NC Hydraulic Press Brake Machine



Capacity
80 to 1000 Tonnage

Hydraulic Shearing Machine



Special Purpose Machine



Standard Accessories

- ◆ Variable Rake Angle Adjustment With Selector Switch
- ◆ Hydraulic Hold Downs Rapid Blade Clearance Adjustment
- ◆ Front Operator Control Box
- ◆ Movable Foot Switch
- ◆ Four Edge Interchangeable Shear Blade
- ◆ Operation And Maintenance Manual Book

Salient Features

- ◆ Optimum Shearing Condition By Variable Rank Angle
- ◆ Rapid Blade Clearance Adjustment By Livers
- ◆ Hydraulic Hold Down To Avoid Slippage of Sheets

Capacity

1250 x 4mm to 6000 x 25mm

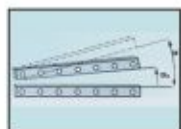
Technical Specification

Model	Cutting Length	M.S.		S.S.		Std. Rake Angle	Rake Angle Range	Strokes /minute At Min. & Max. Rake Angle	Hold Downs	Holding Force Kgs.	Motor H.P.	Packing Dimension mm (L x W x H)	Approx Weight
		Mini. Rake Angle	Maxi. Rake Angle	Mini. Rake Angle	Maxi. Rake Angle								
RHFR	2500	F	2	F	1	1°15	-	20	13	2000	3	3100 X 1092 X 1900	2800
RHVR315	1500	1	4	1	3	1°15	0.5-2°	35-18	8	2000	3	2200 X 1700 X 1900	2700
RHVR320	2000	1	4	1	3	1°15	0.5-2°	30-15	11	2500	5	2700 X 1700 X 1800	3000
RHVR325	2500	3	4	1	3	1°15	0.5-2°	28-13	13	2500	5	3200 X 1850 X 1950	3500
RHVR330	3000	3	4	1	3	1°15	0.5-2°	24-09	16	2500	5	3700 X 1850 X 1950	4000
RHVR412	1250	4	6	3	4	1°15	0.5-3°	33-17	5	4000	5	2000 X 1550 X 2050	2700
RHVR425	1500	4	6	3	4	1°15	0.5-3°	30-15	8	4500	5	2250 X 1850 X 2050	3200
RHVR420	2000	4	6	3	4	1°15	0.5-3°	28-13	11	6200	7.5	2750 X 1850 X 2050	3500
RHVR425	2500	4	6	3	4	1°37	0.5-3°	26-8	13	8000	7.5	3300 X 2250 X 2400	5000
RHVR430	3000	4	6	3	4	1°37	0.5-3°	24-6	16	10000	10	3700 X 2250 X 2400	6000
RHVR440	4000	4	6	3	4	1°45	0.5-3°	22-6	20	12000	10	4500 X 2250 X 2400	8100
RHVR615	1500	6	8	4	6	1°45	0.5-3°	24-8	8	6500	10	2250 X 1900 X 2100	4000
RHVR620	2000	6	8	4	6	1°45	0.5-3°	22-7	11	6500	10	2750 X 1900 X 2100	4300
RHVR625	2500	6	8	4	6	1°45	0.5-3°	28-8	13	8500	15	3300 X 2250 X 2500	6000
RHVR630	3000	6	8	4	6	1°45	0.5-3°	24-6	16	10800	15	3800 X 2250 X 2500	6500
RHVR640	4000	6	8	4	6	2°	0.5-3°	24-6	20	13600	20	4800 X 2250 X 2500	8200
RHVR815	1500	8	10	6	8	2°	0.5-3°	22-10	8	10500	15	2250 X 2050 X 2200	5200
RHVR820	2000	8	10	6	8	2°	0.5-3°	18-8	11	12000	15	2750 X 2050 X 2200	6000
RHVR825	2500	8	10	6	8	2°	0.5-3°	24-8	13	16500	20	3300 X 2350 X 2600	7500
RHVR830	3000	8	10	6	8	2°	0.5-3°	20-6	16	18500	20	3800 X 2350 X 2600	9000
RHVR840	4000	8	10	6	8	2°	0.5-3°	20-8	20	23000	25	4800 X 2350 X 2600	12500
RHVR1015	1500	10	13	8	10	2°	0.5-3°	20-10	8	10500	15	2250 X 2050 X 2300	6000
RHVR1020	2000	10	13	8	10	2°	0.5-3°	18-8	11	13000	15	2750 X 2050 X 2300	7000
RHVR1025	2500	10	13	8	10	2°	0.5-3°	24-8	13	17500	20	3300 X 2500 X 2800	9000
RHVR1030	3000	10	13	8	10	2°	0.5-3°	20-6	16	20000	20	3800 X 2500 X 2800	11500
RHVR1040	4000	10	13	8	10	2°	0.5-3°	18-6	20	25000	30	4800 X 2500 X 2800	15000
RHVR1320	2000	13	16	10	13	2°	0.5-3°	13-5	11	16500	20	2750 X 2200 X 2500	7000
RHVR1325	2500	13	16	10	13	2°	0.5-3°	15-10	13	32000	25	3350 X 2600 X 2800	9000
RHVR1330	3000	13	16	10	13	2°	0.5-3°	12-6	16	37000	25	3800 X 2600 X 2800	12000
RHVR1340	4000	13	16	10	13	2°	0.5-3°	10-4	20	22000	30	4850 X 2200 X 2800	15500
RHVR1620	200	16	20	13	16	2°	0.5-3°	13-7	11	22000	25	2750 X 2200 X 2600	12000
RHVR1325	2500	16	20	13	16	2°	0.5-3°	15-8	13	40000	30	3500 X 2600 X 2900	15000
RHVR1630	3000	16	20	13	16	2°	0.5-3°	12-6	16	43500	30	4000 X 2600 X 2900	17000
RHVR1640	4000	16	20	13	16	2°	0.5-3°	10-4	20	30000	30	5100 X 2750 X 2900	20000
RHVR2020	2000	20	25	16	20	2°	0.5-3°	16-8	11	32000	40	2900 X 2500 X 2600	17000
RHVR2025	2500	20	25	16	20	2°	0.5-3°	15-8	13	48000	40	3500 X 2750 X 3000	18000
RHVR2030	3000	20	25	16	20	2°	0.5-3°	12-6	16	52000	40	4000 X 2750 X 3000	20000
RHVR2040	4000	20	25	16	20	2°	0.5-3°	10-4	20	30000	50	5100 X 2800 X 3000	24000



ELECTRICAL CONTROL PANEL

The Electrical control panel is located on the Left Hand side of the Machine. It is assembled from the internationally reputed parts for consistent performance, reliability and availability, if needed to be replaced. It is wired cleanly and Labelled / Ferruled properly as per the international practices to help easily locate any fault and replace components conveniently.



RAKE ANGLE (CUTTING ANGLE) ADJUSTMENT

Cutting Angle of the Blade is Electro hydraulically adjusted with push Buttons with indicator lights on the operator Console. The Cutting Angle Adjustment helps to achieve, Cutting Variety of Material and thicknesses without twist and distortion.



CLEARANCE SETTING (BLADE GAP) ARRANGEMENT

The Shears are equipped with Levers calibrated in thickness on both sides of the Machine to adjust the Clearance between Top and Bottom Blade according Sheet / Plate Thickness. The setting can be done swiftly and quickly without use of Filler Gauges involving without use of filler Gauges involving cumbersome procedure and difficulty. The use of Correct Blade Gap ensures Burr Free Cutting Result and improves Blade Life considerably.

Hydraulic Press Brake Machine



BENDING FORCE CHART (Tonnes / Metre Length)		Capacity Based on Air Bending Mild Steel (U.T.S. 45 kg / mm)	
V	4 6 8 10 12 16 20 24 32 40 48 64 80 94 120 150 180 200 250 300		
H	3 4 6 7 8.5 11.5 14.5 17 23 29 34 46 57 68 85 110 130 145 180 215		
R	0.6 1.1 3.1 1.6 2 2.7 3.3 4 5.3 6.7 8 10.5 13.5 16 20 25 30 33 42 50		
S			
0.5	4 3 2		
0.8	16 6 6.5 5 4		
1	19 14 8 6 5		
1.2	14 12 10 8 6		
1.5	19 16 12 8 7		
2	38 26 22 16 12 10		
2.5	37 26 20 17 12		
3	56 36 28 24 17 14 11		
4	74 56 44 32 25 20 16		
5	75 50 40 33 24 19		
6	77 57 48 35 27 23		
8	112 86 64 50 41 33		
10	150 100 80 60 51 43		
12	155 105 96 77 62 51		
15	180 150 120 96 80 72		
18	200 160 128 107 96 77		
20	250 200 170 150 120 100		
25	296 250 220 178 150		

POWER SUPPLY : 400 / 440 Volts, 3 Phase, 50 Cycle

All dimensions are in mm. As day to day improvements are contemplated we reserve the right to change specification / design without prior notice.



Special Purpose
Machine

Capacity
20 to 400 Tonnage

Technical Specification

Model	Tonnage	Table Length	Hydraulic Press bake Bending Capacity (In M.S. UTS) 450kg./mm ²		Table Width	Clear Pass	Ram Stroke	Open Height	Throat Depth	Speed Approach Pressing Return	Power	Packing Dimension mm (L x W x H)	Approx Weight
			mm	mm		mm	mm	mm		mm	H.P.		
RHPB215	20	1500	1.6X1500	2X1250	150	1060	100	250	100	35-9-35	2	1700 X 1050 X 1900	1500
RHPB320	30	2000	2X2000	3X1250	150	1550	100	250	200	30-7-30	3	2200 X 1150 X 1900	2500
RHPB425	40	2500	2X2500	3X1500	150	2050	100	250	200	40-80-40	3	2700 X 1150 X 1900	3000
RHPB515	50	1500	4X1500	5X1250	190	1050	100	250	200	35-7-35	5	1700 X 1050 X 1900	2500
RHPB520	50	2000	3X2000	4X1500	190	1550	100	250	200	35-7-35	5	2200 X 1050 X 1900	3200
RHPB525	50	2500	2.5X2500	3X2000	190	2055	100	250	200	35-7-35	5	2700 X 1050 X 1900	3500
RHPB625	65	2500	3X2500	4X2000	190	2055	150	330	200	30-5-30	5	2700 X 1200 X 2000	3700
RHPB630	65	3000	2.5X3000	3X2500	190	2540	150	330	200	30-5-30	5	3350 X 1200 X 2000	4300
RHPB825	80	2500	4X2500	5X2000	190	2055	150	330	200	38-6-45	7.5	2700 X 1550 X 2300	4500
RHPB830	80	3000	3X3000	4X2500	190	2540	150	330	200	38-6-45	7.5	3350 X 1550 X 2300	5000
RHPB1025	100	2500	5X2500	6X2000	190	2055	150	330	200	38-6-45	7.5	2700 X 1150 X 2300	5400
RHPB1030	100	3000	4X3000	5X2500	190	2540	150	330	200	38-6-45	7.5	3350 X 1550 X 2300	6200
RHPB1040	100	4000	3X4000	4X3000	190	3250	150	330	200	38-6-45	7.5	4250 X 1650 X 2300	7000
RHPB1225	125	2500	6X2500	8X2000	250	2055	150	350	300	38-5-40	10	2750 X 1650 X 2500	6500
RHPB1230	125	3000	5X3000	6X2500	250	2540	150	350	300	38-5-40	10	3350 X 1650 X 2500	7000
RHPB1240	125	4000	4X4000	5X3000	250	3250	150	350	300	38-5-40	10	4200 X 1650 X 2500	8300
RHPB1625	160	2500	8X2500	10X2000	230	2055	150	350	300	35-6-40	15	2750 X 1800 X 2600	8200
RHPB1630	160	3000	6X3000	8X2500	230	2540	150	350	300	35-6-40	15	3350 X 1800 X 2600	8800
RHPB1640	160	4000	5X4000	6X3000	230	3100	150	350	300	35-6-40	15	4350 X 2050 X 2750	9800
RHPB2025	200	2500	10X2500	12X2000	230	2055	200	400	300	35-7-35	20	2850 X 2050 X 2750	9500
RHPB2030	200	3000	8X3000	10X2500	230	2540	200	400	300	35-7-35	20	3350 X 2050 X 2750	10500
RHPB2040	200	4000	6X4000	8X3000	230	3100	200	400	300	35-7-35	20	4350 X 2050 X 2750	12500
RHPB2530	250	3000	10X3000	12X2500	300	2540	200	400	300	35-6-40	25	3350 X 2100 X 2800	12000
RHPB2540	250	4000	8X4000	10X3000	300	3100	200	400	300	35-6-40	25	4350 X 2100 X 2800	13500
RHPB3030	300	3000	12X3000	15X2500	300	2540	200	400	300	30-6-35	30	3350 X 2150 X 2900	12000
RHPB3040	300	4000	10X4000	12X3000	300	3100	200	400	300	30-6-35	30	4350 X 2150 X 2900	15000
RHPB4030	400	3000	16X3000	20X2500	300	2540	250	500	350	30-6-35	40	3350 X 2200 X 3000	18000
RHPB4040	400	4000	12X4000	16X3000	300	3100	250	500	350	30-6-35	40	4350 X 2200 X 3000	19500

STANDARD ACCESSORIES

Electric motor, control panel with selection of INCH-ONCE-AUTO Mode of operation.

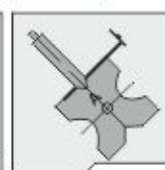
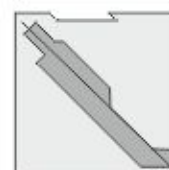
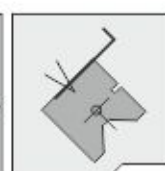
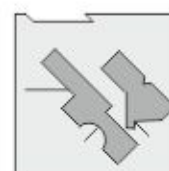
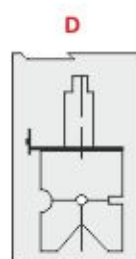
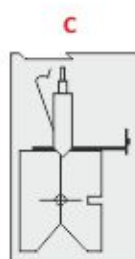
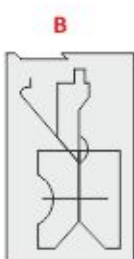
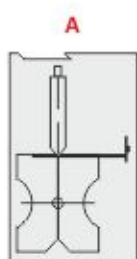
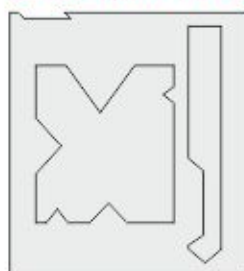
foot switch fine stroke adjustment rod with limit switches. Manual Lubrication Instruction Manual.

OPTIONAL ACCESSORIES

Goose NECK punch & other tooling(Drawing required). Electronic stroke Counter, NC

Operated Back Gauge, Automatic Lubrication System.

STANDARD TOOL



CNC Synchro Press Brake Machine



Standard Accessories

- ◆ CNC Controller - Cybelec / Delem Make
- ◆ AC Servo Backgauge with dual ball screw drive (Range 0-600 mm)
- ◆ Machine complete with all electrical & Hydraulic Safeties
- ◆ 2 Nos. front support arms
- ◆ 5V Standard die and top tool
- ◆ Foot pedal
- ◆ Left and Right guard for safety compliance

Optional Accessories

- ◆ Anti deflection system (Manual / Automatic)
- ◆ Tooling as per customer application requirements (Safety Clamps)
- ◆ Additional back gauge as per customer requirements

Tandem type Press Brake as per customer requirement

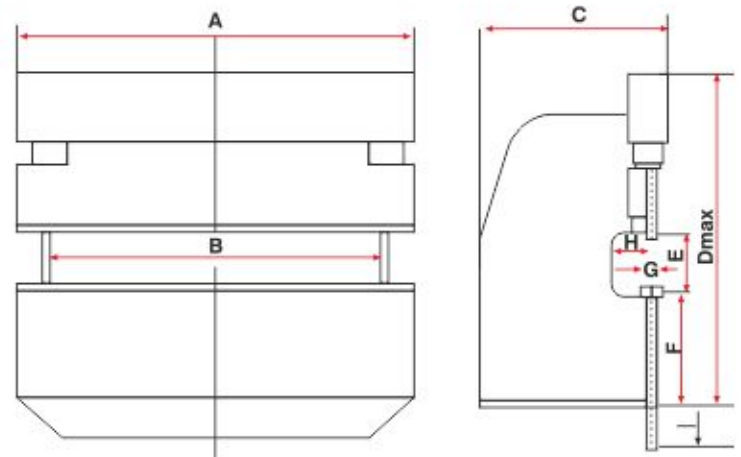
Capacity
20 to 800 Tonnage

Technical Specification

Type CRHPB	Capacity kn	Stroke Length/Adi.(mm)	Lowering Speed mm/sec.	Press Speed mm/sec.	Return Speed mm/sec.	Max. Working Length (mm)	No. of Cylinders	Weight Apprx Kgs.	Power Kw	Dimensions in mm.								
										A	B	C	D	E	F	G	H	I
50-15/12	500	150	100	10	60	1500	2	2900	5.5	1900	1250	1100	2130	315	900	60	250	-
80-25/20	800	150	100	10	62	2550	2	6300	5.5	2670	2050	1270	2440	375	900	170	250	-
110-31/25	1100	150	100	10	65	3100	2	8700	7.5	3700	2550	1290	2600	375	1000	170	250	-
110-43/37	1100	150	100	10	65	4300	2	11000	7.5	4500	3700	1350	2790	375	1000	170	250	-
110-52/43	1100	150	100	10	65	5200	2	13500	7.5	5320	4300	1350	2850	375	900	170	250	-
150-31/25	1500	175	100	8	70	3100	2	12500	11	3700	2550	1500	2575	400	900	170	300	-
150-43/37	1500	175	100	8	70	4300	2	16000	11	4500	3700	1500	3020	400	900	170	300	-
150-52/43	1500	175	100	8	70	5200	2	20000	11	5320	4300	1500	2850	400	900	170	300	-
200-31/25	2000	225	70	8	50	3100	2	15500	15	3700	2550	1680	2850	475	900	250	300	-
200-43/37	2000	225	70	8	50	4300	2	18000	15	4600	3700	1680	3030	475	900	250	300	-
200-52/43	2000	225	70	8	50	5200	2	22000	15	5320	4300	1680	3175	475	900	250	300	-
260-31/25	2600	250	70	8	50	3100	2	19500	18.5	3700	2550	1800	3000	500	900	250	300	-
260-43/37	2600	250	70	8	50	4300	2	23000	18.5	4600	3700	1800	3080	500	900	250	300	-
260-52/43	2600	250	70	8	50	5200	2	28000	18.5	5320	4300	1800	3190	500	900	250	300	1060
340-31/25	3400	250	60	8	50	3100	2	23500	30	3700	2550	1680	3000	500	900	250	350	-
340-43/31	3400	250	60	8	50	4300	2	27500	30	4600	3100	2075	3150	500	900	300	350	925
340-52/43	3400	250	60	8	50	5200	2	32000	30	5320	4300	2075	3500	500	900	300	350	1250
340-62/51	3400	250	50	8	50	6200	2	38000	30	6320	5100	2075	3680	500	900	300	350	1470
450-43/31	4500	300	50	7	50	4300	2	32500	30	4600	3100	2500	3500	550	900	300	400	880
450-52/43	4500	300	50	7	50	5200	2	43000	30	5320	4300	2500	3800	550	900	300	400	1350
450-65/51	4500	300	50	7	50	6200	2	52000	30	6320	5100	2500	3900	550	900	300	400	1500
600-62/43	6000	325	50	6	40	5200	2	51000	37	5320	4300	2750	3730	625	900	400	400	1415
600-62/51	6000	325	50	6	40	6200	2	58000	37	6320	5100	2750	4125	625	900	400	400	1810
600-82/73	6000	325	50	6	40	8200	2	78000	37	8320	7300	2750	4500	625	900	400	400	2250
800-52/43	8000	325	50	6	40	5200	2	58000	45	5320	4100	2940	3740	625	900	400	400	1425
800-62/51	8000	325	50	6	40	6200	2	69000	45	6320	5100	2940	4200	625	900	400	400	2000
800-82/73	8000	325	50	6	40	8200	2	89000	45	8320	7300	2940	4600	625	900	400	400	2600

DESIGN AND SALIENT FEATURES

- Easy to operate and use of CNC System with large bending option and tooling library,
- Synchronized Bending Reference is the key design of CNC Press Brake,
- The body structure of CNC Press Brake is rigidly welded, stress less even under maximum load,
- Best for complex bending and volume of production,
- The accuracy level while bending is higher than conventional Press Brake Machine,
- Synchronized with Y1, Y2 axes, linear scales (for stroke measurement up to 0.01mm, PLC (Programmable Logic Control), Servo Drive, Power Pack, High Pressure internal gear pump, imported cable with connector etc.,
- Control of AC Servo Back Gauge through this CNC system ,
- CNC press brake painted with high Chromed for longer life,
- For emergency stop footswitch is also available,
- Top tool of CNC Press Brake divided in to various Gooseneck punches,
- Bottom tool of CNC Press Brake designed with 4 V-Die



3/4 Roll Hydraulic PLC Bending Machine



Technological Advantages

- ◆ Top roll drive for thin plates.
 - ◆ Plate squaring (alignment) arrangement.
 - ◆ Small diameter top roll for small shell rolling.
- Central and side shell supports for large shell.

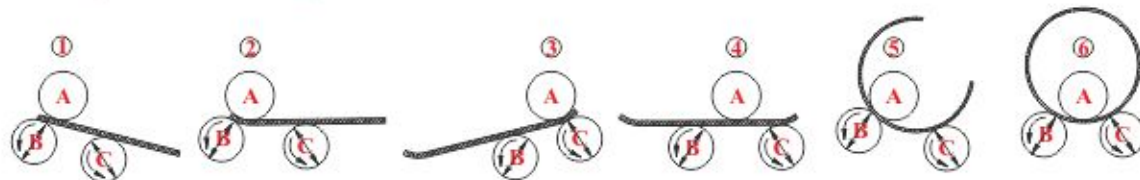
Note: Feature depends on model selected.

The PLC Technology

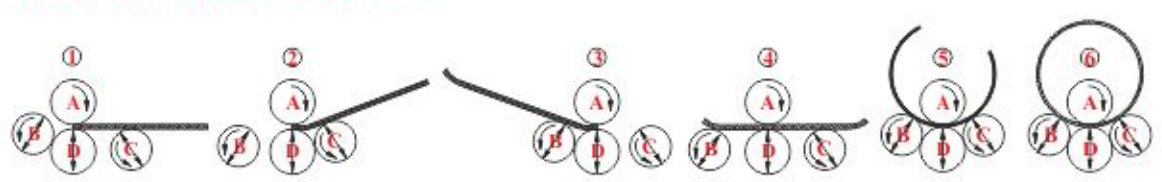
- ◆ Easy program input & user-friendly operator interface.
- ◆ Various operating modes to suit job conditions.
- ◆ Very convenient to reproduce a job once made.
- ◆ Cone bending parameters included.
- ◆ Automatic positioning of rolls as per stored program.
- ◆ Capacity to store & recall several programs.
- ◆ Electronically synchronized roll movement.
- ◆ Operates on hardware of reputed international brand.

Technical Diagram

3 Roll Hydraulic PLC Bending Machine



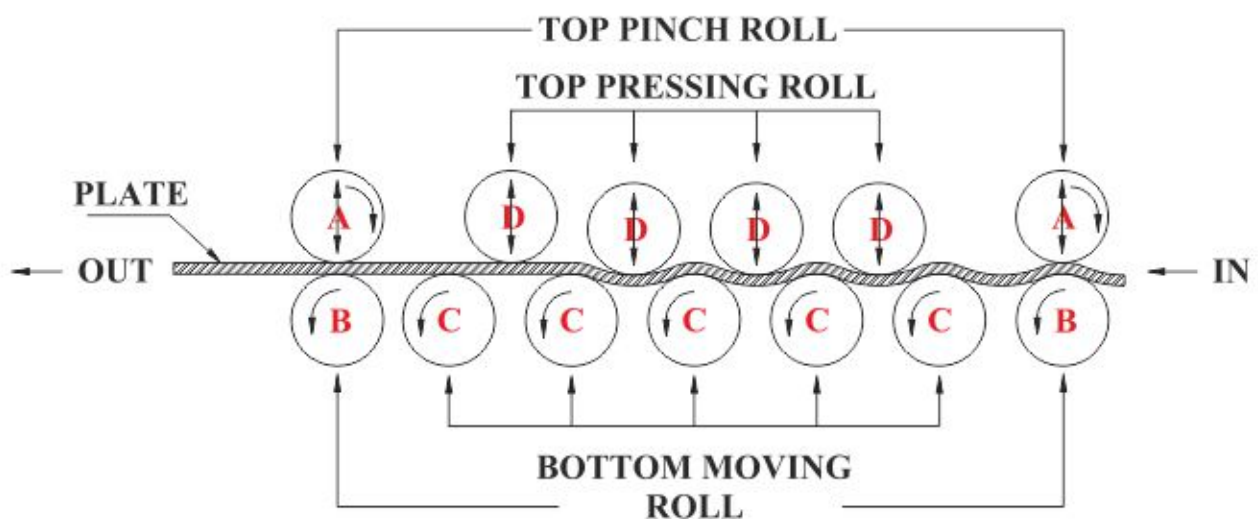
4 Roll Hydraulic PLC Bending Machine



Hydro / Mechanical Plate Straightening Machine



Technical Diagram



We Look
Forward
To **Hearing**
From **You**



The Sign of Success

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