



Royal Stancert Inc.
Certified Management System.



K B INDUSTRIES™
Quality, Our Legacy

**SINGLE WINDOW SOLUTION FOR
SHEET METAL MACHINERY**

HYDRAULIC PRESS BRAKE



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We are manufacturing Hydraulic Press Brakes with highly productive, accurate, and economical cost. Through advanced design and construction, our standard and optional features make it easier, better, durable & more efficient. We offers quality Press Brakes that provide simplified and easily accessible controls for optimum operator efficiency and output. We can deliver it to client at a considerable rate.

STANDARD ACCESSORIES INCLUDING MACHINE

- ◆ Pair of Die & Punch installed with machine.
- ◆ Operator Console Foot switch for easier operation.
- ◆ Sheet support.
- ◆ Flexible sheet support for longer and heavier plates/sheets.
- ◆ **Range: 20MT to 400MT**
- ◆ **Length: 1250 mm to 5000 mm**



OPTIONAL FEATURES



T Slotted Table for Easy & smooth moving of die locking & sheet supports.



Limit Switch Assembly with Micro Setting for repeat accuracy



Manual Anti deflection setting for upper punch.



Ram Tilting Arrangement to Maintain bending over a period.

DESIGN FEATURES

- ◆ Accurate right angle welded steel frame made of ultrasonically tested is 2062 plate standards gives accurate bending.
- ◆ Five piece adjustable guides with special wear resistant liners for accurate vertical movement of RAM.
- ◆ International quality hydraulics components. Specially designed compact.
- ◆ Manifolds gives smooth, silent jerk free operation.
- ◆ Fast approach fast return speeds to save cycle time, slow pressing speed for better stroke control bending accuracy, ensures high productivity.
- ◆ Emergency stop push switch with moveable console including motor on/off, RAM up/ down cycle selection switch.
- ◆ Flexible sheet support for longer and heavier plates/sheets.
- ◆ Use of hardened pin and bushes gives less maintenance.
- ◆ Centralized lubrication with flow control ensures adequate lubrication at all points.
- ◆ Accurately Synchronized cylinders for equally vertical force of RAM at full length.
- ◆ Front operated manual back gauge with micro-adjustment.
- ◆ Five V- Die in one and suitable Punch.
- ◆ Fine stroke adjustment Rod with limit switches

Technical Features

Bending Length:

1500/2000/2500/3000/4000/5000

Thickness:

Up to 4mm / 6mm / 8mm / 10mm /
12mm / 16mm / 20mm.

ACCURCY:

Repetitive Accuracy Within ± 0.04 mm

Back Gauge Length:

250mm, 450mm, 600mm Manual Back
Gauge, 600mm / 1000mm N C Back
Gauge



NC hydraulic Press brakes are economical and very reliable solution for industry demand. NC hydraulic press brakes are designed to give more accuracy and better productivity. The controller has a facility to program the various jobs with complex bending sequence on screen.

The Numeric Control is used for Two Axis Control

1. Ram Axis Y
2. Back Gauge Axis X.

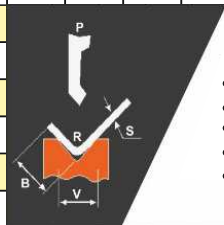
The program gives facility to bend different bending degrees; different back gauge positions different open positions. It has a facility to save different programs and same can be reloaded as & when required. The back gauge consists of Flip-top Fingers, Ball Screw Linear Bearing along with drive.



Product Features

- ◆ It has a facility to program the variegated jobs includes complex bending sequence.
- ◆ This facility helps to perform complicated bending job in a signal setting and repeatabl production.
- ◆ Dedicated controller from international brands.
- ◆ Bend angle & Depth Mode program.
- ◆ Stroke control and stroke counter on screen.
- ◆ Highly Precise press brake scale for accurate Y axis positioning.
- ◆ AC Servo drive for back gauge positioning.
- ◆ Hardened ground Balls screw and linear guide for better position accuracy and longer life.
- ◆ Ram tilting to maintain banding accuracy over period.

V	4	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50	55	60	65	70	80	90	100	120	
B	2.8	4	5.5	7	8.5	10	11	12.5	14	17	20	22	25	28	31	35	38	42	46	49	56	63	70	85	
R	0.7	1	1.3	1.6	2	2.3	2.6	3	3.3	3.8	4.5	5	6	6.5	7	8	8	10	10.5	11	16	14	16	19	
S	0.5	40	30																						
	0.6	60	40	30	30																				
	0.8		70	50	40	30																			
	1			110	80	70	60																		
	1.2				120	100	80	70	60																
	1.5					150	120	110	90	80															
	2						220	190	170	150	130	110													
	2.5								250	220	200	170	150	130											
	3									330	290	250	210	180	160										
	3.5										400	330	290	250	220	200	180								
	4											440	370	330	290	260	230	210							
	4.5												470	410	370	330	300	270	240						
	5													510	450	400	360	330	300	270	250				
	6															520	470	430	390	60	340	300			
8																		700	640	600	520	460	420		
10																					810	720	650		
12																							950	780	
14																								1300	100



Calculation Formula

- $P=650 S^2 L / V (*b=450N/mm^2)$
- P: Bending force (KN)
- S: The thickness of the plate (mm)
- L: The Width of the plate (m)
- V: V-width of the bottom die (mm)

For Alluminium Multiply Answer By 0.6 & For S.S. Multiply Answer By 1.6

CNC SYNCRO PRESS BRAKE



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CNC Synchro press brakes are designed to give more accuracy and better productivity. The controller has a facility to program the various jobs with complex bending sequence on screen. The CNC Control is used for Three Axis Control or more.

Synchronized Ram Axes Y1, Y2 | Back Gauge Axis X

Range: 20MT to 400MT

Length: 1250 mm to 5000 mm

The program gives facility to bend different bending degrees; different back gauge positions & different open positions. It has a facility to save different programs and it can be reloaded as & when required. The back gauge consists of Flip-top Fingers, Ball Screw Linear guides along with drive.

The machine can be equipped with some high-end optional accessories like,

- Back gauge Axis X1, X2, R, Z
- Anti- Deflection units
- Special profile Hardened Dies & Punch
- International Quality Hydraulics Componets.



Product Features

- ◆ It has a facility to program the variegated jobs includes complex bending sequence.
- ◆ This facility helps to perform complicated bending job in a signal setting and repeatable production.
- ◆ Dedicated controller from international brands. Bend angle & Depth Mode program.
- ◆ Stroke control and stroke counter on screen.
- ◆ Highly Precise press brake scale for accurate Y axis positioning.
- ◆ AC Servo drive for back gauge positioning.
- ◆ Hardened ground Balls screw and linear guide for better position accuracy and longer life.





We introduce our most technically advanced hydraulic shearing machines for the national and international markets. Our HVR Series Hydraulic Shearing Machine incorporates latest technologies with the high performance, simple operating device and is designed to function smoothly for a long time. The stable and robust machine features all ultrasonically tested IS 2062 grade steel welded frames of top quality international standards provide better quality of cutting. Our advanced safety features make shearing machines safer and more durable. Robust construction gives more rigidity & strength to machines. These machines are capable to perform the accurate and precise cutting needs.

Range: 3 mm to 25 mm

Length: 1250 mm to 5000 mm

Product Features

- ◆ Variable Rake Angle Design Machines.
- ◆ Accurate clearance adjustment of both blades for BUR FREE shears.
- ◆ Better cutting accuracy in thin sheets at lower rake angle.
- ◆ Higher cutting capacity at maximum rake angle.
- ◆ Low noise smooth operation gives higher efficiency of operator.
- ◆ Automatic Rake angle adjustment.
- ◆ Pre-calibrated easy blade gap adjustment.
- ◆ Less power consumption.
- ◆ Better safety for operator and machine.
- ◆ Fine stroke adjustment rod with limit switch.
- ◆ Front sheet support.
- ◆ Squaring arm with steel rule for front gauging.
- ◆ Hardened Transfer bars mounted on table.
- ◆ Extra powerful clamping force by Holing Cylinders.
- ◆ Four edge HCHCr Blade suitable to MS, SS.



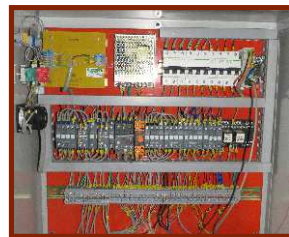
The Fastest & Easiest Pre Calibrated Blade Clearance Setting For Burr Free Cutting.



Robust, Heavy & Accurate Back Gauge with Various Drive Options.



Variable Rake Angle Limit Switch Adjustment For Higher Thickness Cutting than nominal Capacity.



International Quality Electrical Components Ensure Trouble Free Operation Over a Period Of time.



International Quality Hydraulics components. specially designed compact manifold gives smooth, silent & jerk less operation.

Standard Accessories Including Machine

- ◆ Pair of Blades installed with machine
- ◆ Sheet support
- ◆ Majoring scale for smaller pieces at front
- ◆ Foot switch for easier operation
- ◆ Flexible sheet support for longer and heavier plates/sheets.
- ◆ Safety Finger guard.

Technical Features

Shearing Length: 1500/2000/2500/3000/4000/5000
Shear Material: MS / S S / ALUMINIUM / BRASS / COPPER
ACCURCY: ± 0.5MM / MTR
Thickness: Up to 3mm / 4mm / 6mm / 8mm / 10mm / 12mm / 16mm / 20mm/25mm
Back Gauge Length: 600mm / 1000mm and as per requirement



NC shearing machine has all the advantages of hydraulic shearing machine. The NC controller adds some more special advantage to machine.

The fast and accurate multi position back gauge system is very efficient and accurate.

The machine productivity and accuracy are much improved with NC controlled back gauge.

Range: 3 mm to 25 mm

Length: 1250 mm to 5000 mm

Product Features

- ◆ Multi-steps automatic back gauge program.
- ◆ AC Servo Drive Timer belt for Back Gauge Movement.
- ◆ Hardened & ground ball screw with linear motion bearings.
- ◆ Stroke counting on screen.
- ◆ Fast production on smaller jobs.



Standard Accessories Including Machine

- ◆ Pair of Blades installed with machine
Sheet support
- ◆ Majoring scale for smaller pieces at front
Foot switch for easier operation
- ◆ Flexible sheet support for longer and heavier
plates/sheets.
- ◆ Safety Finger guard.
- ◆ Back Gauge with Hardened ground ball
screw with linear motion bearings.

Technical Features

Shearing Length: 1500/2000/2500/3000/4000/5000

Shear Material: MS / S S / ALUMINIUM / BRASS / COPPER

ACCURCY: ± 0.5MM / MTR

Thickness: Up to 3mm / 4mm / 6mm / 8mm / 10mm /
12mm / 16mm / 20mm / 25mm

Back Gauge Length: 600mm / 1000mm and as
per requirement

“C” TYPE PRESS HYDRAULIC

Capacity : 15 ton to 125 ton

Application : Punching - Forming - Straightening
- Stamping - Embossing - Cutting





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“H” TYPE HYDRAULIC PRESS



Capacity : 20 ton to 500 ton

Application : Punching - Forming - Straightening
- Stamping - Embossing - Cutting

“H” TYPE HYDRAULIC PILLAR PRESS

Capacity : 15 ton to 125 ton

Application : Used For Blanking - Embossing -
Moulding - Punching - Deep Drawing - Forming
- Straightening - Stamping - and other application



Angle Notching MACHINE



STANDARD SUPPLY :

Blade mounted with machine
stroke adjustment rod with limit switch

Electric control panel with INCH & SINGLE CYCLE AUTO OPERATION

Main drive motor

CAPACITY	40 Ton	70 Ton	100 Ton	150 Ton
Cutting flange H.T	100x100x8	150x150x12mm	200x200x16mm	300x200x 16mm
Cutting flag M.S	100x100x10	150x150x16mm	200x200x20mm	300x200x20mm
Length of Cut MM	100	200	220	300
Working Height	850mm	850mm	850mm	850mm
No Of Stroke	10 Strokes Min	15 Strokes Min	20 Strokes Min	10 Strokes Min
Motor	7.5 H P	7.5H P	10H P	15 HP
Working Pressure	180 Kg	200 Kg	200Kg	220 Kg
Type of Operation	Vertical &	Vertical & Rotating	Vertical & Rotating	Vertical & Rotating
Oil Tank	100 Ltrs	160 Ltrs	200 Ltrs	250 Ltrs
Over all dimension MM	1500x1000x1500 (LxWxH)	2000x1500x1700 (LxWxH)	2000x1500x1700 (LxWxH)	2200x1500x1800 (LxWxH)

HYDRAULIC IRON WORKER



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Multipurpose Hydraulic Ironworker Machine

which has various applications and serve a lot of industries such as Tower manufacturing, Construction, Metal Fabrications and Telecommunication Industries etc.

The double cylinder "IWM" series are well engineered ironworkers built for high power, quality, and reliability. These ironworkers have two control foot paddles, and separate operations can be safely performed simultaneously without interference.

STANDARD ACCESSORIES

Hydraulic Iron Worker is designed to give an effective solution to all the cutting and punching problems of flat and Section with satisfactory work quality from robust and compact machine.

International brands hydraulic & electrical components ensure trouble free operation.

Direct shearing avoids any waste of materials.



Unique compact design by using ultrasonically tested steel plates.

Five work station catering '7' different operation. Parallel operation of punching station with other work station gives higher productivity.

Hydraulic Bus Bar

BENDING | CUTTING | PUNCHING



The Machine is designed to cater the requirement of bus bar preparation & almost all operation are included in one machine. This is a highly productive machine suiting to growing demand of industries.

STANDARD ACCESSORIES

Parallel Working of all three station.

Compact hydraulics power pack with built in control panel.

Separate foot switch for each station.

Manual Gauge stopper for Shearing & Punching Station.

Optional tools for punching station.

Optional tools for bending station. | Optional high speed version.



K B INDUSTRIES

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