



GeM
Government
e Marketplace



IMPORT EXPORT
CODE INDIA



9001 : 2015



BEND BALE SHEAR PRESS

To Reduce The Human Efforts,
Innovation Increases.



www.marathonengineering.in

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HYDRAULIC **SPM** SOLUTION



**MARATHON
ENGINEERING**
Mfg of all Types of Hydraulic Machines

Scan or Touch
to Connect

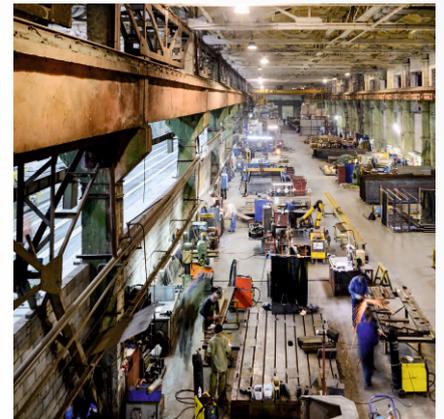




Founded in 2012, Marathon Engineering is a trusted name in hydraulic machinery, specializing in high-quality Hydraulic Press, Shearing, and Bending Machines. Our machines are built for durability, precision, and performance, catering to diverse industries. As a leading manufacturer, retailer, and wholesaler, we focus on customer satisfaction, offering tailored solutions to meet their needs.

WE ARE LEADING MANUFACTURER OF

- CNC/NC Hydraulic Press Brake
- Hydraulic Press Brake Machine
- NC Hydraulic Shearing Machine
- Hydraulic H / C Type Press Machine
- Hydraulic Alligator Shear Machine
- Hydraulic Horizontal Baling Press
- Hydraulic Vertical Baling Press
- Hydraulic Four Pillar Press Machine
- Hydraulic Cut to Length Machine
- Hydraulic Special Purpose Machines (SPMs)



Our Strengths

- **Industry-Leading Expertise:** Over a decade of experience in high-performance hydraulic machinery.
- **Durable, Heavy-Duty Designs:** Built for long-lasting performance in tough conditions.
- **Advanced Technology Integration:** Cutting-edge operating systems, power packs, and cylinders for maximum efficiency.
- **Customer-Focused Solutions:** Tailored solutions to meet specific client needs and satisfaction.
- **Commitment to Innovation & Growth:** Continuous innovation to stay at the forefront of hydraulic technology.
- **Ethical Business Practices:** Transparent and ethical approach for strong, lasting customer relationships.

Our Vision

Our vision at Marathon Engineering is to be a global leader in hydraulic machinery manufacturing by continuously innovating and delivering high-performance products. We strive to empower industries with cutting-edge technology, providing solutions that enhance productivity, safety, and efficiency. Our goal is to maintain a customer-first approach while fostering sustainable growth for both our clients and our company.



PRESS BRAKE

Y1



**MARATHON
ENGINEERING**
Mfg of all Types of Hydraulic Machines

Y2

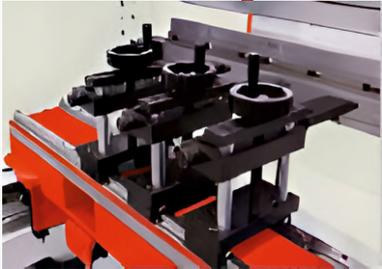
CNC PBR-1030

CNC PBR

CNC PRESS BRAKE

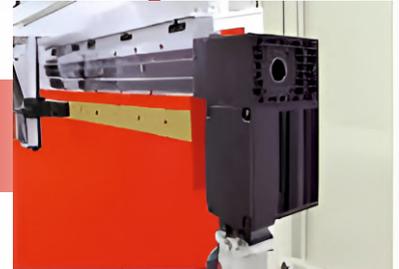
Width: 1000 to 8000 mm
Capacity: 40 Tons to 400 Tons

PARTS



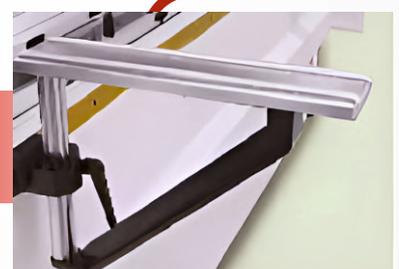
Backgauge

**Crowning
Compensation**



**Upper Tool
Clamping**

**Front Sheet
Support**



**Lower Die
Clamping**

**Laser Safety
Guard**





NC PBR

NC Hydraulic Press Brakes Machine

Width: 1000 to 8000 mm
Capacity: 40 Tons to 400 Tons

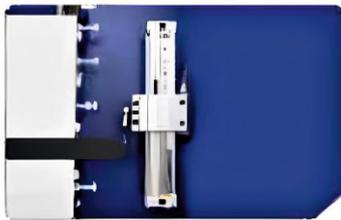


PARTS



In NC & CNC Touch Screens Controller Axis X, Y, Z, R, V Controllers

Make Double Hardened & Grounded Three-sided Multi-v



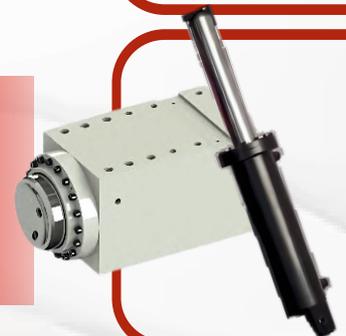
In NC & CNC Highly Precise 5-micron Press Brake Scale For Y- Axis Positioning (for Degree Control)

In NC & CNC High-speed Back Gauge X Axis Drive. Ball Screw & Timer Belt. With AC Servo (for Back Gauge Backward & Forward)



Back Gauge Finger Movement For R & Z Axis On LM Guide To Maintain The Parallelism And Smooth Work

Hydraulics Rear & Front Cylinder For Heavy Work





PBR Series

Hydraulic Press
Brakes Machine

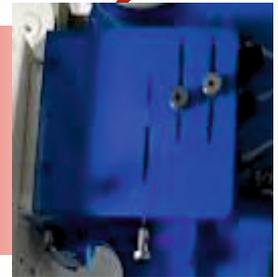
Width: 1000 to 8000 mm
Capacity: 40 Tons to 400 Tons

PARTS



Moveble Oprating Controles
With Foot Switch/cycle Cycle
Starting / Emargency Stop

Fine Stroke Adjustment
Rod With Limit Switches
For Degree Control



Taper Wadge For
Adjustment Of Bending
Degree & Allen Key Type
Bolting Clamp

Double Hardened &
Grounded Three-sided
Multi-v



Hydraulics Rear Cylinder
For Heavy Work (back Side)

Front Mounted Adjustable
Sheet support For Easy
Operation.



Design Features



- Mono Block Welded Steel Frame ultra tested-2062 steel plates rigid to provide accurate bending.
- All pivots have been hardened of ground pin bushes of five piece guide slide lubricated by central hand pump.
- Repetitive accuracy is within ± 0.03 mm.
- Ram travel parallelism without sensitive & complex servo hydraulics.
- Most reliable hydraulic components & sealing for international reputed design for 350 bar against operating pressure of 160 bar maximum.
- Three cycles operation inch, Single cycle & Auto for greater operator convenience.
- Three speed operation reduces ideal travel time which improves productivity.
- Bending force easily adjustable from front for forgue tools of bending soft material.
- Movable operator console is provided with switches for cycle selection, ram up-down travel, emergency stop & motor on/off.
- Manual backstop with micro adjustable swing stop facilitate reverse bend.
- Electrical panels & components are provided as per international reputed brands.
- Precisely designed of manufacture cylinders provided unlimited trouble-free life. Seals can be changed quickly without dismantling the ram or need of crane.

Standard Features & Accessories



- Main drive standard make motor.
- Electrical control panel with three speed inch,
- Single cycle, Auto mode of operation. Two front sheet supports.
- Manual back gauge with micro-adjustment swing
- stoppers. Pair of lifting chains.
- Fine stroke adjustment rod with limit switches.
- One suitable 5-way die and blade. (Segmented or full length, EN-9 not covered under warranty).
- Movable console with emergency device.
- Manual centralized lubrication system with hand pump.
- Bending chart.

Optional Accessories



- Motorized back gauge with DRO.
- Extra Finger for standard Back gauge.
- Automatic Lubrication System.
- Extra Depth of throat.
- NC Back gauge with ball screw
- (Schneider or Delta).
- Colour Touch Screen 7".

Technical Specification



Model	Tonage	Table Length	Bending Capacity (In MS, UTS 45kg/mm ²)	Table Width mm	Clear Pass mm	Ram Stroke mm	Open Height mm	Throat Depth mm	Speed Approach Pressing Return	Power HP	Packing Dia. mm (LxWxH)	Approx Weight kg.	
PBR215	20	1500	1.6x1500	2x1250	150	1050	100	250	100	35-9-35	2	1700x1050x1900	1200
PBR320	30	2000	2x2000	3x1250	150	1550	100	250	200	30-7-30	3	2200x1150x1900	2200
PBR425	40	2500	2x2500	3x1500	150	2050	100	250	200	40-8-40	3	2700x1150x1900	2700
PBR515	50	1500	4x1500	5x1250	200	1050	100	250	200	35-7-35	5	1700x1050x1900	2200
PBR520	50	2000	3x2000	4x1500	200	1550	100	250	200	35-7-35	5	2200x1050x1900	2900
PBR525	50	2500	2.5x2500	3x2000	200	2050	100	250	200	35-7-35	5	2700x1050x1900	3000
PBR625	65	2500	3x2500	4X2000	200	2050	150	330	200	30-5-30	5	2700x1200x2000	3200
PBR630	65	3050	2.5x3000	3x2500	200	2550	150	330	200	30-5-30	5	3350x1200x2000	4000
PBR825	80	2500	4x2500	5x2000	200	2050	150	330	200	38-6-45	7.5	2700x1550x2300	4200
PBR830	80	3050	3x3000	4x2500	200	2550	150	330	200	38-6-45	7.5	3350x1550x2300	4400
PBR1025	100	2500	5x2500	6x2000	200	2050	150	330	200	38-6-45	7.5	2700x1550x2300	5000
PBR1030	100	3050	4x3000	5x2500	200	2550	150	330	200	38-6-45	7.5	3350x1550x2300	5500
PBR1040	100	4050	3x4000	4x3000	200	3250	150	330	200	38-6-45	7.5	4250x1650x2300	6000
PBR1225	125	2500	6x2500	8x2000	250	2150	150	350	300	38-5-40	10	2750x1650x2500	5600
PBR1230	125	3050	5x3000	6x2500	250	2650	150	350	300	38-5-40	10	3350x1650x2500	6400
PBR1240	125	4050	4x4000	5x3000	250	3250	150	350	300	38-5-40	10	4200x1650x2500	7700
PBR1625	160	2500	8x2500	10x2000	230	2150	150	350	300	35-6-40	15	2750x1800x2600	7000
PBR1630	160	3050	6x3000	8x2500	230	2650	150	350	300	35-6-40	15	3350x1800x2600	8000
PBR2025	200	2500	10x2500	12x2000	230	2050	200	400	300	35-7-35	20	2850x2050x2750	8500
PBR2030	200	3050	8x3000	10x2500	230	2550	200	400	300	35-7-35	20	3350x2050x2750	9500
PBR2040	200	4050	6x4000	8x3000	230	3250	200	400	300	35-7-35	20	4350x2050x2750	11000
PBR2530	250	3050	10x3000	12x2500	300	2650	200	400	300	35-6-40	25	3350x2100x2800	10000
PBR3030	300	3050	12x3000	15x2500	300	2650	200	400	300	30-6-35	30	3350x2150x2900	11000
PBR4030	400	3050	16x3000	20x2500	300	2650	250	500	350	30-5-35	40	3350x2200x3000	15000



SHEARING

CNC NC HVR



Width: 1000 to 8000 mm
Capacity: 2 mm to 40 mm

NC Hydraulic
Shearing Machine

PARTS



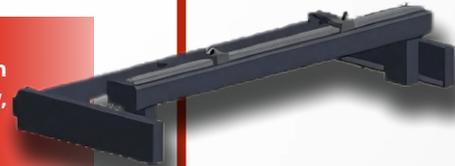
CONTROLLER CYBELEC/DELTA
Touch Screens X1 And X2 Axis
Controllers For High-speed Back
Gauge Movements

ATLAS/MAGIC 4 edge
interchangeable top / bottom
Hardened 8 grounded Shearing
Blade suitable for MS/SS cutting



The fastest blade clearance
setting for burr free cutting
During increasing or decreasing
sheet thickness

High-speed back gauge with
AC Servo Drive. Ball Screw,
Timer belt.



Holding hydraulic cylinder high
pressure cylinder for pressing the
sheet properly during sheet
cutting

Electrical panel is made from
reputed brand SIEMENS /
SCHNEIDER components





HVR Series

Hydraulic Shearing Machine

Width: 1000 to 8000 mm
Capacity: 2 mm to 40 mm



PARTS



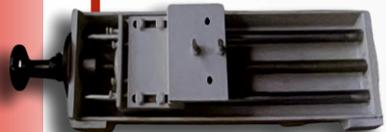
Conveniently located operating Console for machine operations with individual buttons for all operations.

Four edge inter changeable top & bottom Hardened & grounded HcHCr Shearing Blade suitable for MS & SS cutting.



The fastest & easiest Pre calibrated blade clearance setting for burr free cutting.

Robust & accurate Backgauge supported by double hardened guides for long life



Sandwich bolted type square box design for mounting of holding cylinder to facilitate the maintenance.

Electrical panel is made from reputed brand components like SIEMENS/SCHNEIDER/BCH.



Design Features



- Mono Block Welded Steel rigid to deflection tensile movement of high tensile.
- Ease of accurate gap adjustment of blades for bur-free cuts.
- Polyimide surfaced Hydraulic Hold down cylinders to prevent sliding of the plates during cutting operation.
- Motorized back gauge with electronic digital readout.
- Electronically adjustment RAKE ANGLE as per material of thickness for twist free cuts.
- Synchronized Beam guided system for constant gap between blades.
- Extra capacity to cut Hard-thicker plate than nominal capacity.
- Blades produced from High Alloying Steel with functional four sides.
- Adjustable Cutting & Clamping force for quality cutting & power saving.
- Rapid cutting of short pieces by electrical stroke adjustment system.

Optional Accessories

- Automatic contact shearing.
- Hydraulic rear sheet support.
- NC backgauge with ballscrew (Schneider or Delta).
- Colour Touch Screen 7".



Standard Features & Accessories



- Moving beam Synchronized by differential cylinders.
- Hardened rollers guide beam for constant blade gap.
- Blade gap easily adjustable by calibrated levers.
- Rake angle adjustable to suit thickness and material.
- Activation from consol and movable foot switch.
- Sheet clamped Hydraulically before cut starts.
- Stroke length - position can be set for short jobs.
- Beam returns on releasing foot switch for smaller cuts.
- Cutting area illuminated for clear view of ends.
- First two hold downs spaced closer at both ends.
- Squaring arm 1000mm at left with hardened liners.
- Squaring arm 600mm at right helps distribute wear.
- Front gauging by stopper-scale on squaring arm.
- Hardened rods on table for safe easier feeding.
- Two front supports for supporting longer plates.
- Front operated motorized back gauge with
- NC type DRO 1000 mm.
- Compact, Low maintenance of silent Hydraulic system.
- Digital stroke-counter.
- HVR 315, HVR 320, HVR 325, HVR 330 have sheet supports, manual backgauge & left squaring arm of 600mm length.

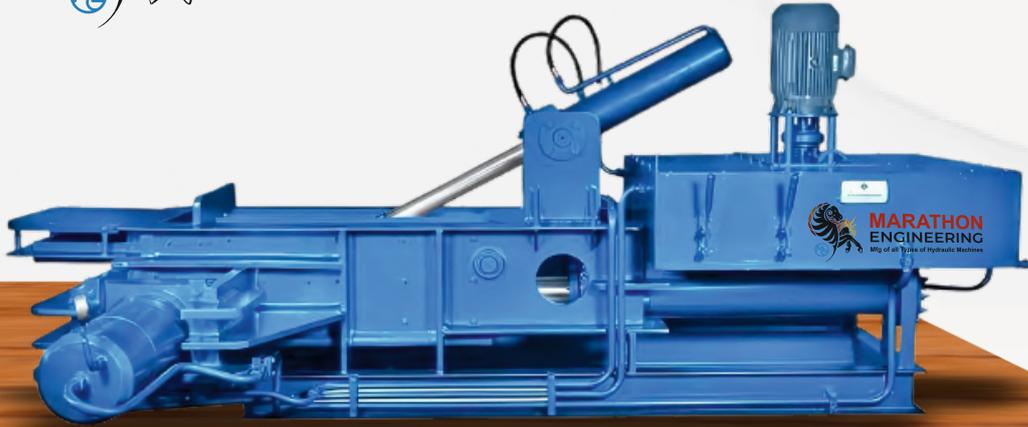
Technical Specification



Model	Shearing Length (mm)	Nominal Rake Angle in MS	Maximum Rake Angle in MS	Nominal Rake Angle in SS	Maximum Rake Angle in SS	Rake Angle	Strokes/Min. at Min. & Max. Rake Angle	Hold Downs	Power HP	Packing Dia. mm (LxWxH)	Approx Weight kg.
HVR225	2500	2	3.15	1	1.6	1°	22-10	13	3	2900x1600x1500	2200
HVR230	3000	2	3.15	1	1.6	1°	18-8	15	3	3400x1600x1500	2500
HVR315	1500	3.15	4	2	3	1°15'	24-10	8	5	2250x1850x2050	1700
HVR325	2500	3.15	4	2	3	1°15'	28-13	13	5	3200x1850x1950	3200
HVR330	3000	3.15	4	2	3	1°15'	24-9	15	5	3700x1850x1950	3700
HVR340	3000	3.15	4	2	3	1°15'	24-9	20	7.5	4750x1950x2050	4800
HVR415	1500	4	6	3	4	1°37'	24-10	8	5	2250x1850x2050	2900
HVR420	2000	4	6	3	4	1°37'	24-10	11	7.5	2750x1850x2050	3200
HVR425	2500	4	6	3	4	1°37'	22-8	13	7.5	3300x2250x2400	4700
HVR430	3000	4	6	3	4	1°37'	22-8	15	10	3700x2250x2400	5700
HVR440	4000	4	6	3	4	1°45'	18-6	20	10	4500x2250x2400	7800
HVR615	1500	6	8	4	6	1°45'	24-8	8	10	2250x1900x2100	3700
HVR620	2000	6	8	4	6	1°45'	22-7	11	10	2750x1900x2100	4000
HVR625	2500	6	8	4	6	1°45'	28-8	13	15	3300x2250x2500	5300
HVR630	3000	6	8	4	6	1°45'	24-6	15	15	3800x2250x2500	5800
HVR640	4000	6	8	4	6	2°	24-6	20	20	4800x2250x2500	7500
HVR815	1500	8	10	6	8	2°	22-10	8	15	2250x2050x2200	4500
HVR820	2000	8	10	6	8	2°	18-8	11	15	2750x2050x2200	5300
HVR825	2500	8	10	6	8	2°	24-8	13	20	3300x2350x2600	6800
HVR830	3000	8	10	6	8	2°	20-6	15	20	3800x2350x2600	8300
HVR840	4000	8	10	6	8	2°	20-8	20	25	4800x2350x2600	11800
HVR1015	1500	10	13	8	10	2°	20-10	8	15	2250x2050x2300	5300
HVR1020	2000	10	13	8	10	2°	18-0	11	15	2750x2050x2300	6300
HVR1025	2500	10	13	8	10	2°	24-8	13	20	3300x2500x2800	8300
HVR1030	3000	10	13	8	10	2°	20-6	15	20	3800x2500x2800	10800
HVR1040	4000	10	13	8	10	2°	18-6	20	30	4800x2500x2800	13300
HVR1320	2000	13	16	10	13	2°	13-5	11	20	2750x2200x2500	6300
HVR1325	2500	13	16	10	13	2°	15-10	13	25	3350x2600x2800	8300
HVR1330	3000	13	16	10	13	2°	12-6	15	25	3800x2600x2800	11300
HVR1340	4000	13	16	10	13	2°	10-4	20	30	4850x2200x2800	14500
HVR1625	2500	16	20	13	16	2°	15-8	13	30	3500x2600x2900	14000
HVR1630	3000	16	20	13	16	2°	12-6	16	30	4000x2600x2900	16300
HVR1640	4000	16	20	13	16	2°	10-4	20	30	5100x2750x2900	19300
HVR2025	2500	20	25	16	20	2°	15-8	13	40	3500x2750x3000	16300
HVR2030	3000	20	25	16	20	2°	12-6	16	40	4000x2750x3000	19300



TRIPLE ACTION BALER



SCRAP METALS BALER - TRIPLE ACTION

- Triple Action Scrape Metal Baler Machine (scrap Press From Three Side With The Help Of Three Cylinders. One Cylinder For Auto Bal Ejection & One Cylinder For auto Door Lock
- **Additional** : Scrap shear Blade

OPERATION

- PLC & HMI ELECTRIC CONTROLLED PANEL OPERATED
- HAND LIVER VALVE OPERATED



SCRAP METALS BALER - TRIPLE ACTION

Technical Specification Of Hy. Triple Action Scrap Metal Baler Press

Specification	ME - 8 X 8	ME x 12 x12	ME - 14 X 14	ME 16X16	ME - 18 x 18
Chamber Size (Inch) (HxWxL)	16 x 17 x 50	22 x 22 x 51	25 x 24 x 60	25 x 30 x 60	30 x 40 x 60
Bale size (Inch) (HWL)	8 x 8 x 8 - 10	12 x 12 x 10 - 12	15 x 15 x 12 - 15	16 x 16 x 12 - 16	18 x 18 x 18 - 18
Bale weight (Kg)	20-25 Kg	25-40 Kg	40-50 Kg	50-60 Kg	50-65 kg
Side & main cylinder CAPACITY	100-80 ton	100-80 ton	120-100 ton	120-100 ton	150-120 ton
Door, ejection & lock Cylinder	60-5-5 ton	60-7-5 ton	60-7-5 ton	80-10-7 ton	100-10-7 ton
Electric Motor (Hp)	15	20	25	30	30
Production/Sh ift(Ton)	4-5	5-6	6-8	8-10	10-15
Oil Tank Capacity (Liter)	500	600	600	800	800
Machine weight Approx.	4 Ton	5 Ton	6 Ton	7 Ton	9 Ton

Bale Production Depends On Pressing Material And Labor Works

Operation

Manual / Semi-automatic / Fully-automatic

We Make 8 X 8 Inch To 60 X 60-inch Chamber Size Machine



DOUBLE ACTION BALER



DOUBLE ACTION AUTO EJECTER

- Double Action Auto Door Ejector Scrape Metal Baler Machine
(scrap Press From Two Side With Help Of Two Cylinders & One Cylinder For Auto Bal Ejection & One Cylinder For auto Door Lock)

SCRAP METALS BALER AUTO EJECTION

OPERATION

- PLC & HMI ELECTRIC CONTROLLED PANEL OPERATED
- HAND LIVER VALVE OPERATED

DOUBLE ACTION MANUAL EJECTER

Double Action Manual Door & Manual Ejector Scrape Metal Baler Machine
(scrap Press From Two Side With Help Of Two Cylinders)



OPERATION

- HAND LIVER VALVE OPERATED

SCRAP METALS BALER MANUAL EJECTION

Technical Specification Of Hy. Double Action Scrap Metal Baler Press

Specification	ME 10X10	ME 12 x12	ME 15X15	ME 18X18	ME 20 x 20	ME 24 x 24
Chamber Size (Inch) (HxWxL)	18 x 10 x 50	20 x 12 x 50	24 x 15 x 51	26 x 18 x 55	28X20X55	32 X 24 X 55
Bale size (Inch) (HWL)	10x10x10/12	12x12x12-14	15x15x15-17	18x18x18-20	20X20X20X-22	24X24X24-28
Main & Door cylinder CAPACITY	60-20 ton	80-40 ton	80-40 ton	100-60 ton	100-60 ton	120-60 ton
Bale weight (Kg)	15-20 Kg	20-30 Kg	30-40 Kg	40-50 Kg	50-60 kg	60-70 kg
Electric Motor (Hp)	7.5 HP	10 HP	15 HP	15 HP	15 HP	20 HP
Production/Sh ift(Ton)	2-4	3-6	4-8	6-10	8-12	10-12
Oil Tank Capacity (Liter)	300	350	400	600	600	800
Machine weight Approx.	2 Ton	2.5 Ton	3 Ton	3 Ton	3.5 Ton	4 Ton



HORIZONTAL BALER

Applications



Cardboard (OCC), Mixed paper, PET bottles Plastic film Textile waste scraps

Dimensions



- **Length:** 600 mm to 2000 mm
- **Width:** 750 mm to 1100 mm
- **Height:** 600 mm to 1100 mm.
- The exact dimensions will vary depending on the requirement.



Horizontal Paper Baler Machine

Key Features



- Heavy-duty steel structure with wear-resistant plates for long life.
- Hydraulic power system with energy-efficient design.
- Adjustable bale length and density to meet different logistic needs.
- High automation level reduces labor costs and increases productivity.
- Multiple feed options (manual, conveyor, pneumatic).
- Automatic ejector system for easy bale removal.
- Low maintenance requirement with durable components.



Chamber size

- **Length:** 600 mm to 2000 mm
- **Width:** 750 mm to 1100 mm
- **Height:** 600 mm to 1100 mm.
- The exact dimensions will vary depending on the requirement.

Key Features



Machine Type	Horizontal Hydraulic Baler (Auto/Semi-Auto/Manual Tie)
Pressing Force (Tons)	30-200 Tons
Bale Size (W x H x L)	750-1100 mm x 600-1100 mm x 600-1800 mm (adjustable)
Bale Weight	100-1200 kg (depends on material and compression force)
Main Motor Power	15-100 HP (based on model)
Feeding System	Conveyor Belt / Manual / Air Cyclone System
Control System	PLC Controlled with HMI Touch Screen (for automatic models)
Binding Type	Manual Tie / Semi-Auto Tie / Full Auto Tie (Steel or Plastic Wire)
Cycle Time	15-60 seconds per bale (depends on model and material)
Machine Size (LxWxH)	4000-10000 mm x 1500-2500 mm x 1500-3000 mm
Oil Tank Capacity	400-1500 liters
Hydraulic System	Double Acting Cylinders, Oil Cooler, Pressure Gauge
Electrical Requirements	3 Phase, 380/415V, 50/60 Hz (customizable)
Safety Features	Emergency Stop, Safety Doors with Interlocks, Overload Protection
Weight of Machine	4 to 25 Tons (depends on configuration)
Productivity	1 to 15 Tons/hour (material-dependent)



HYDRAULIC VERTICAL BALER

PRODUCT RANG

- Pet Bottle Baling Machine
- Cotton Baling Machine
- Jute Bag Baling Machine
- Coir Fiber Baling Machine
- Jumbo Bag Baling Machine
- Single Box Single Cylinder Baling Press
- Double Box Single Cylinder Baling Press
- Double Box Double Cylinder Baling Press
- Paper Baler Press

Our Baling Machine Suitable For

Waste paper, pet bottle, metal scrap, can bottle, waste plastic, plastic bag, Rafiya, cardboard cement bags, garbage waste HPDE waste, waste Foil

We Make 15 Ton To 400-ton Capacity Baler Press



HYDRAULIC VERTICAL BALER

Technical Specification Of Hy. Baler Press For Waste Paper And Plastic

Model	HVBP-15 MT	HVBP-30 MT	HVBP-50 MT	HVBP-80 MT	HVBP-100 MT	HVBP-120 MT
Bale weight (Kg)	50-60 kg	80-100 Kg	120-200 Kg	200-250 Kg	250-300 Kg	300-350 Kg
Bale size (Inch) (HWL)	24 X 24	30 X 24	36 X 27	48 X 30	55 X 40	60 X 40
Chamber Size (Inch) (HxWxL)	24 X 24 X 51	30 X 24 X 51	36 X 27 X 62	48 X 30 X 70	55 X 40 X 78	58 X 40 X 86
DALIGHT GAP	1000 MM	1300 MM	1600 MM	1800 MM	2000 MM	2200 MM
CYLINDER (MM)	100X120X70	120X140X80	180X220X110	220X 270X150	180X220X110	200X250X125
CYLINDER STROK	800 MM	1000 MM	1100 MM	1500 MM	1600 MM	2000 MM
No. Of Main CYLINDER	1 Nos	1 Nos	1 Nos	1 Nos	2 Nos	2 Nos
Oil Tank Capacity (Liter)	60 Liter	100 Liter	180 Liter	250 Liter	450 Liter	600 Liter
MOTOR	5 HP	7.5 HP	10 HP	15 HP	15 HP	15 HP + 3 HP
Production Capacity (12 Hours Shift)	2-3 ton	3-4 ton	4-6 ton	6-8 ton	8-10 ton	10-15 ton
Bale Ejection	Manually	Manually	Optional	By Cylinder	By Cylinder	By Cylinder
Operation	Hand Lever / Electric Panel/PLC					
Safety	Limit Switch / Pressure Switch			Limit Switch / Pressure Switch / PCM		

Note - We Make Up To 1000 Kg Bale & 150 MT, 200 MT Capacity Machine Also



HYDRAULIC FOUR PILLAR PRESS



HYDRAULIC FOUR PILLAR PRESS

Design Features



Single cylinder/Double cylinder/Three Cylinder Accurate clearance between RAM and TABLE plate Adjustable Pressure Relief / Controlling Valve for HT material

Available Models



Machine Capacity

100MT to 1200MT & More.

Table Size

As Per Requirement

Hydraulic System



Hydraulic System depends on Capacity of Pump Type, Hydraulic Fluid Maximum Operating Pressure, Hydraulic Cylinder, Control Valve

Electrical and Power Specifications



- **Motor Power** : 7 HP to 80 HP
- **Power Supply** : 380V – 415V, 50Hz/60Hz

PRODUCT RANG

- HYDRAULIC KITCHEN'S SINK MACHINE
- HYDRAULIC DEEP DRAW MACHINE
- HYDRAULIC FORMING PRESS
- FIX FRAME HYDRAULIC PRESS



Applications

For Metal working deep drawing, stamping, pressing Pressing composites for automotive and aerospace applications, compacting and shaping metals.



Dimensions

- **Work Table Size**: 500 mm x 500 mm to 2000 mm x 2000 mm. Distance Between Pillars: 500 mm to 2000 mm
- **Distance Between Pillars**: 500 mm to 2000 mm



Safety Features

Safety Guards, Overload Protection, Pressure Relief Valves, Limit Switches: To prevent excessive ram stroke or unintended operation.



Control System

PLC-based or CNC system for high-precision control. Touchscreen or HMI for user-friendly operation.



HYDRAULIC H PRESS

PRODUCT RANG

- HYDRAULIC DEEP DRAW MACHINE
- HYDRAULIC FORMING PRESS
- FIX FRAME HYDRAULIC PRESS

Available Models



Machine Capacity:

50MT/75MT/100MT/150MT/200MT/300MT to 1200MT & more.

Table Size: As per requirement

Design Features



- Single cylinder/Double cylinder/Three Cylinder
- Accurate clearance between RAM and TABLE plate
- Adjustable Pressure Relief/Controlling Valve for HT material
- T-Slot on table for fix clamping of Die and Punch.
- Adjustable strokes to reduce travelling time & for more production.
- Indication light (Tower Light) with safety alarm sound.
- Emergency stop push button.



HYDRAULIC H-TYPE PRESS

Compact Size Machine Standard Accessories Including Machine



- 2 pair of Foot switch for easier operation with movable vertical operating console with nos. of switches
- Limit Switch and Pressure Switch assembly for short and heavy job
- Available from standard to special purpose sizes
- Adjustable Pressure Relief valve and pressure switch
- Front operating console for easy and fast operation having ON-OFF/UP-DOWN/EMERGENCY STOP and Overload switches.

Used
For

DEEP
DRAWING
PRESS

FOR
PILLAR
TYPE
PRESS

BAILING
PRESS

LAMINATING
PRESS

BAILING
PRESS

LAMINATING
PRESS

METAL
FORMING
PRESS

RUBBER
MOULDING
PRESS



HYDRAULIC C PRESS

Offered range is developed using the superior quality components and sophisticated technology that ensures its durability at its clients' end. Also, this Hydraulic Frame Press is offered to our clients at most reasonable prices.

C-type Press & Bending



Available Models



Machine Capacity: 50MT/75MT/100MT/150MT
Standard Table Size: As per requirement

Design Features



- Single cylinder
- Accurate clearance between RAM and
- TABLE plate
- Adjustable Pressure Relief/Controlling
- Valve for HT material.
- T-Slot on table for fix clamping of Die and Punch.
- Adjustable strokes to reduce travelling time & for more production.
- Indication light (Tower Light) with safety alarm sound.
- Emergency stop push button.



HYDRAULIC C-TYPE PRESS

Compact Size Machine Standard Accessories Including Machine



- 2 pair of Foot switch for easier operation with movable vertical operating console with nos. of switches
- Limit Switch and Pressure Switch assembly for short and heavy job
- Front operating console for easy and fast operation having ON-OFF/UP-DOWN/EMERGENCY STOP and Overload switches.
- Available from standard to special purpose sizes
- Adjustable Pressure Relief valve and pressure switch

Used
For

PUNCHING

STAMPING

NUMBERING

DEEP
DRAWIN
/AM
BOSSING

BROACHING





HYDRAULIC SHEAR

Applications



Scrap Metal Recycling: Cutting metal scrap into smaller, more manageable pieces, Construction and Demolition, Cutting steel beams, rebar, and other metal structures, Heavy Industry: Processing large metal parts in factories or plants.

Operation Mode



- Manual or Automatic Operation.
- Some models have manual operation or Foot pedal while more advanced machines might have automated cycles controlled by PLCs

Available shear



- **Shear thickness** - 2 MM TO 80 MM
- **Shear length** - 250 mm to 1250 mm
- **Blade Stroke** - 200 mm to 500 mm.
- **Speed of Cutting** - Generally between 20 to 60 cuts per minute (depending on the material and the shear's design).
- **Motor Power**- 5HP to 60HP

(Requirements of the specific operation)

Safety Features



- **Safety Guards:** To protect the operator from moving parts.
- **Emergency Stop Button:** For immediate shutdown in case of emergency.
- **Overload Protection:** To prevent damage to the machine and hydraulic system.
- **Hydraulic Oil Temperature Control:** To prevent overheating of the hydraulic system

Technical Specification Of Hydraulic Alligator Shear

	Units	HAS - 100	HAS - 150	HAS - 200
Blade Size	mm	500	750	900
Cutting Capacity (MS)	mm	40 mm Round 30 mm Square	40 mm Round 30 mm Square	50 mm Round, 40 mm Square
No. of strokes/minute		13-14	13-14	10-12
Motor	hp	15	30	40
Blade Opening	inches	9	9	16
Operation		Manual by Push Button, Full Auto, Foot Pedal Operation		
Working pressure	PSI	2400	2400	2400
Weight of Machine	Kg	2800	6500	8000
Oil Tank Capacity	Litre	600	600	800



HYDRAULIC ALLIGATOR SHEAR MACHINE



CUT TO LENGTH



CUT-TO-LENGTH MACHINE

Maximum Coil Width, Length & Thickness

Width- 1000 mm to 2000 mm, Length - 1 mm to 12,000 mm, Thickness 0.2 mm to 25 mm (or more, depending on the material and machine type).

Feeding System



Type

Automatic

Hydraulic System



- **Pressure** : Hydraulic pressure is often required for driving the shearing blades, with typical pressures ranging from 16 MPa to 32 Mpa.
- **Hydraulic Motor Power** : Depends on the size and capacity of the machine.

Control System



- **PLC (Programmable Logic Controller)** : Most modern machines use PLCs to control the operation, monitor the process, and make adjustments automatically.
- **HMI (Human-Machine Interface)** : A display panel that allows operators to input cutting lengths, adjust settings, and monitor machine status.
- **Automatic Length Measurement** : Systems for measuring the length of each sheet during cutting and adjusting accordingly.



Applications

- **Steel Coil Processing** for industries such as automotive, construction, and appliance manufacturing.
- **Aluminium and Copper Coil Cutting**: Common in the production of heat exchangers, electrical components, etc.
- **Metal Sheet Supply**: Used in manufacturing industries where standardized sheet sizes are required.



Power Supply



- **Motor Power** : Typically, from 5HP to 50HP or more, depending on the size and cutting force required.
- **Voltage** : Usually 380V or 415V, 50Hz, or as per customer requirements.



Safety Features

- **Safety Guards** : To prevent accidents during operation.
- **Emergency Stop** : Button to immediately stop the machine in case of malfunction or danger.
- **Safety Sensors** : To detect issues like coil jams or misfeed and stop the machine automatically.



HYDRAULIC SPM



Applications

Metal Forming -Stamping, punchingbending, and forging, Assembly Operations, Automotive, Aerospace manufacturing, Electronics - Pressing and assembly of electronic components.

HYDRAULIC SPECIAL PURPOSE MACHINES (SPM)

Design Features



Single cylinder/Double cylinder/Three Cylinder Accurate clearance between RAM and TABLE plate Adjustable Pressure Relief / Controlling Valve for HT material

Available Models



Machine Capacity

10 Tons To 1000 Tons. Requirements Of The Specific Operation

Structure

As Per Requirement

Hydraulic System



Hydraulic System depends on Capacity of PumpType, Hydraulic Fluid, Maximum Operating Pressure, Hydraulic Cylinder,Control Valve

Control and Automation



PLC-based, CNC-based, or microprocessor-based control systems for high precision and automation.



Electrical Specifications

- **Motor Power** : 5 HP to80 HP
- **Power Supply:** 380V to 415V, 50Hz/60Hz



Dimensions and Size

Work Table Size : Can vary widely depending on the specific application, with typical ranges between **500 mm x 500 mm to 2000 mm x 2000 mm** or larger.



Dimensions and Size

Variable Speed,Control, Mold, Customization, Automatic Feeding Systems, Automatic Ejector, Temperature Control, Data Logging



Safety Features

Safety Guards, Limit Switches, Overload Protection, Emergency Stop



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