

# HYDRAULIC PRESS

Add  
**ENERGY**  
to drive your  
**MISSION**



*Widest Range of Machines  
installed with  
proven performance*



AN ISO 9001:2008  
CERTIFIED COMPANY

# ENERGY MISSION

## HYDRAULIC DEEP DRAWING PRESS:



Range : 50 Tons to 2000 Tons.

These presses are designed for deep drawing application. These presses are available in various designs like Single Action Deep Drawing, Double Action Deep drawing or triple action deep drawing press.

### SALIENT FEATURES

- › The robust Frame is fabricated from UT tested IS 2062 grade steel plates.
- › Deep drawing presses are available in various designs like Single Action Deep Drawing, Double Action Deep drawing or triple action deep drawing press.
- › The structure design is done with latest 3-D modeling & analysis software to check for proper strength & rigidity.
- › The adjustable guiding arrangements are specially designed to suit the operation requirement for longer life.
- › Ram structure with platen.
- › Grounded Bolster Platen
- › Hydraulic Holding plates / Cushion structure with hydraulic cushion arrangement is provided on deep drawing presses.
- › Ram platen & Bolster with T-slots or hole tapping.
- › Mechanical / Hydraulic Ejector can be provided as an optional feature.
- › Stress relieved frames available with Ultrasonic vibration technique as an option.
- › Shock absorber cylinders are provided optionally for blanking sheet.
- › Remote controlled Tonnage adjustment.
- › Remote controlled Cushion Force adjustment.
- › Multiple speed for Approach, pressing & return strokes saves cycle time.
- › Hydraulic Cylinders made of seamless hone tubes & hard chrome plated rod.
- › Latest technology PTFE seals with bronze guide tapes in hydraulic cylinders ensure long life.
- › Power saving hydraulic system equipped with logic cartridge valves.
- › Smooth & noiseless operation handling higher flow volumes.
- › Compact Manifold blocks eliminating piping joints & ensures leak free hydraulic system.
- › International quality hydraulic & electrical components to ensure long service life
- › Overload protection safety by hydraulic & electrical interlocks.
- › Two-hand operator safety to ensure accident free operation
- › Optional infra-red safety curtain interface on front & rear side of machine to ensure safe working on machine.

## AUTOMATION

Advance automation is possible with PLC controls from Siemens / Allen Bradley / ABB which offers the 100 program memories. Tonnage control, Cushion force control, position control of tonnage cylinder & cushion cylinders can be programmed thru the controller. The proportional hydraulic system is used. Optional power saver drive interface is also possible.



## APPLICATION AREAS:

These products are suitable for manufacturing various industrial products like

- › Drawing, bending, printing, forming and part dropping processes for metal sheet.
- › Production of Wooden and Plastic parts
- › Manufacture auto parts and machine parts
- › Manufacture house hold electric parts
- › Manufacture steel sheet and aluminum doors
- › Production of Tungsten alloys, Teflon parts
- › Production fine ceramic and high-tech materials

	Units	EM HP 50	EM HP 100	EM HP 150	EM HP 200	EM HP 250	EM HP 300	EM HP 400	EM HP 500	EM HP 600	EM HP 750	EM HP 1000	EM HP 1250	EM HP 1500	EM HP 2000
<b>Pressing Force</b>	Tons	50	100	150	200	250	300	400	500	600	750	1000	1250	1500	2000
<b>Upward Tonnage</b>	Tons	20	40	60	80	100	120	160	200	240	300	400	500	600	800
<b>Stroke</b>	mm	500	600	750	750	800	800	900	900	1000	1000	1000	1200	1200	1200
<b>Approach Speed</b>	mm/sec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
<b>Pressing Speed</b>	mm/sec	20	15	15	15	15	15	15	15	15	15	12	10	10	10
<b>Return Speed</b>	mm/sec	120	120	120	120	120	120	120	120	120	120	120	120	120	120
<b>Motor Power</b>	HP	15	25	30	40	50	60	75	100	75 + 50	100 + 50	100 + 75	100 + 100	150 + 75	150 + 150
<b>Open Daylight</b>	mm	800	1000	1150	1150	1300	1300	1500	1500	1600	1700	1700	2000	2000	2000
<b>Bolster Size</b>	mm	600 X 600	900 x 900	1000 X 1000	1250 X 1250	1250 X 1250	1500 X 1500	1750 X 1500	2000 X 1500	2250 X 1750	2500 X 1750	3000 X 2000	3000 X 2000	3250 X 2250	3500 X 2500
<b>T-size</b>		T-20	T-20	T-20	T-20	T-24	T-24	T-24	T-24	T-28	T-28	T-28	T-28	T-28	T-28
<b>Cushion Force</b>	Tons	20	40	60	80	100	120	160	200	240	300	400	500	600	600
<b>Cushion Stroke</b>	mm.	250	300	400	400	400	400	450	450	500	500	500	600	600	750
<b>Cushion Size</b>	mm	300 X 300	500 X 500	600 X 600	700 X 700	700 X 700	850 X 850	850 X 850	1200 X 850	1400 X 900	1500 x 900	1750 X 1200	1750 X 1200	1750 X 1400	2000 X 1500

## HYDRAULIC C-FRAME PRESS

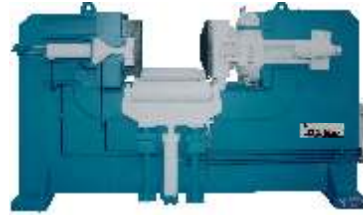
Range : 30 Tons to 300 Tons



These presses are designed for various applications like straitening, trimming, Punching & stamping applications. Its unique design offers the flexibility & ease of operation as three sides are open.

## HORIZONTAL PRESS

Range : 60 Tons to 500 Tons



Horizontal Press suitable for straightening and bending of sections like round bar angle, channel, I section etc

## HYDRAULIC H-FRAME PRESS

Range : 50 Tons to 2000 Tons



These presses are designed for various applications like blanking, trimming & Punching applications.

## HYDRAULIC FOUR PILLAR PRESS

Range : 50 Tons to 500 Tons



These presses are designed for various applications like blanking, trimming & Punching applications. Its unique design offers the more accurate structure even in bigger size machines. The guiding arrangements are more accurate & rigid.

### PRODUCT RANGE

CNC Syncro Hyd. Press Brake, Hyd. Rear Cylinder Press Brake, Hyd. Front Cylinder Press Brake, Hyd. Shearing Machine, Plate Bending Machine, Iron Worker, Section Bending Machines, Bus Bar Unit, C-Frame Press, Hyd. Deep Drawing Press



87/1, Phase I, Opp. Pushpak Ind. Estate, GIDC Vatva, Ahmedabad - 382 445 (INDIA)  
Phone : 91 - 79 - 6543 6237 TeleFax : 91 - 79 - 2583 0913, 25840067  
Mobile : 09824481470, 09824303302  
Email : info@energymission.com Web : www.energymission.com