

OUR OTHER PRODUCTS

C Frame Type Press

Die Cushion Press

Straightening Press

Conveyor System

Rivetting Press

Stamping Press



HYDRO MECHANIK ENGINEERS
(TUV - ISO - 9001:2008 CERTIFIED Co.)

About us -

HME has more than two decades of experience in the Deep Drawing Hydraulic Presses, Baling presses and Allied machinery for sheet metal forming industry. We are an ISO 9001:2008 approved company with very strict quality parameters adhering to international standards. Our clients are testimonials of our product and after sale services. We strongly believe in providing complete solution to the production needs of our clients rather than supplying a piece of machinery which is just a part of the solution.

FOR

ALUMINIUM & STAINLESS STEEL
FORMING INDUSTRY

DRAWING DEEP

HYDRO MECHANIK ENGINEERS

Office: 1137, Circle No. VI, Opp. E.S.I. Hospital, M.G. Road, Jagadhri-135003

Works: 70-71, HSIIDC Industrial Estate, Manakpur, Yamuna Nagar

Telefax: 01735-286196 • **E-mail:** hydromechanik31@yahoo.co.in

Web catalog: www.hydromechanikengineers.com

OUR OTHER PRODUCTS

Scrap Shearing Press

Conveyor System

UPCOMING MACHINERY SPECIALLY DESIGNED FOR LPG PLANTS

Trimming + Jogging Machine

An Integrated solution for both trimming & jogging operation on cylinder cup in a single process

Benefits:

- ◆ Saves labour & Extra machinery cost.
- ◆ Saves work floor area & energy efficient.

Automated circle handling system

Automatic Placing of circle in the D.D. presses & Removal of formed cup completely synchronised & automated for minimum manual involvement.

Benefits:

- ◆ Saves time & labour cost.
- ◆ Makes the process swift & time bound with minimum error.

About us -

HME has more than two decades of experience in the Deep Drawing Hydraulic Presses, Decoiler System, Rotary Shearing Machine and Allied machinery for LPG Cylinder manufacturing industry. We are an ISO 9001:2008 approved company with very strict quality parameters adhering to international standards. Our clients are testimonials of our product and after sale services. We strongly believe in providing complete solution to the production needs of our clients rather than supplying a piece of machinery which is just a part of the solution.

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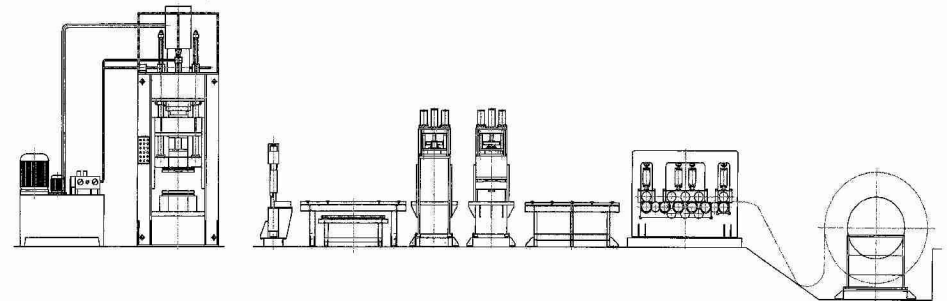


HYDRO MECHANIK ENGINEERS

(TUV - ISO - 9001:2008 CERTIFIED Co.)

FOR

CYLINDER MANUFACTURING INDUSTRY



DRAWING DEEP

DEEP DRAWING HYDRAULIC PRESS



- H-Type fabricated frame, using quality steel plates (conforming IS 2062 standards) designed for Heavy and Rugged usage.
- Taper guides with brass liners for high precision & accuracy of slide movement.

- Hydraulic cylinders with FF mounting, Turcite liner guiding & specially developed wiper seals and Rod seals.
- Induction Hardened & Chrome Plated Rams for long working life.



- Specially developed and customized Heat exchanger according to TEMA standards.
- Return line filters for oil filtration.



- Electric panel with High quality switchgears (L&T, Siemens etc) with overload protection.
- Circuit designed for max. automation with continuous cycle operation.



Hydraulic powerpack with reputed make Control valves (Vickers, Rexroth, Polyhydron etc.) and best in class motors and pumps (Crompton, ABB, Polyhydron, THM Huade Etc)

Technical Specifications of Deep Drawing Hydraulic Press

Model No.	HM-750	HM-930	HM-1030	HM-1250	HM-1500	HM-1650	HM-1800	HM-2000
Main Cylinder Capacity (Ton)	50	90	100	150	200	200	250	280
Blank Holding Cylinder (Ton)	50	80	90	80	100	100	120	120
Blank Holder Opening (mm)	380	480	560	660	780	900	1080	1080
Working Area (mm)	700*750	900*930	900*1030	1100*1250	1220*1500	1220*1650	1650*1800	1650*2000
Daylight Min. (mm)	400	450	450	550	650	725	800	850
Max. (mm)	700	800	800	1000	1150	1325	1500	1500
Speed Approach (mm/ Sec)	90	100	100	120	100	100	100	100
Pressing	25	20	17	20	20	20	15	15
Return	90	65	65	65	85	85	85	85
Power Required (HP)	30	30+5	30+5	30+15+5	30+30+5	30+30+5	30+30+5	30+30+5
Circle Size (Inches)	28	36	42	50	60	65	70	80
Depth of Draw (Inches)	10	12	14	15	18	20	26	26

Note:

- Yellow colored box - For both steel and aluminium sheet forming
- Due to constant technological advancements the exact specifications may vary from the above
- Presses To suit customers specifications are also offered.

HYDRAULIC BALING PRESS

Key Feature -

- Double action and triple action Hydraulic Baling presses
- Induction hardened & chrome plated rams with high quality guiding, wiper seals & rod seals.
- Variable Bail sizes according to the requirement of customers
- Ergonomic and rugged design for ease of loading and unloading.
- Specially designed hydraulic lid-locking mechanism





DEEP DRAWING HYDRAULIC PRESS

Technical Specification -

- Main Cylinder - 170 ton
- Stroke - 700 mm
- Blank Holding Cylinders - 80 ton
- Stroke - 350 mm
- Daylight: Min. - 480 mm
Max. - 830 mm
- Speeds: Fast App. - 150 mm/sec.
Pressing - 42 mm/sec.
Returns - 240 mm/sec.
- Working Area - 800 x 900 mm
- Power Capacity - 100+3+2 hp
- Cycle Time - 10 to 11 sec.
(from placing of circle to removal of formed cup)

Salient Feature -

- H-type fabricated frame with 8 point guiding of slides for precise & Rugged usage
- Electric panel with High quality switch gears (L&T, Siemens etc.) with overload protection.
- Hydraulic powerpack with superior quality Control valves (Vickers, Rexroth, Polyhydron etc) and best in class motors and pumps (Crompton, ABB, Polyhydron, THM Huade Etc.)
- Specially developed and customized Heat exchangers according to TEMA standards and Return line filters.



ROTARY SHEARING MACHINE

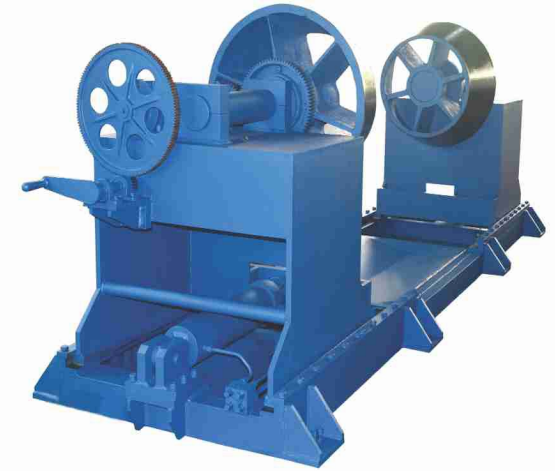
Salient Feature -

- In line with Decoiler & Straightener for automatic functioning
- for 2 or 3 circle of size 612 to 608 mm. (from 1180 to 1685 mm coil)
- Hydraulically actuated movement of cutter assembly
- High quality hardened Die and cutter for long life
- Compact Sturdy & ergonomic design with complete automation of circle cutting process.
- Electrical adjustment of machine assembly according to the coil.

DECOILER

Salient Feature -

- Tapered Cast Iron cones to hold 700 mm I.D. & 2000 mm O.D. Coil.
- Taper Roller Spherical Bearings for High Mech. efficiency
- Hydraulically controlled movement of cone Assembly
- Load Bearing Capacity - 30 tones max. (i.e. coil weight)



HYDRAULIC STRAIGHTENER



Salient Feature -

- In line of Decoiler and Rotary shearing machine
- Automatic movement with high precision & High mechanical efficiency
- Hydraulic controlled adjustment of rollers
- High Quality forged steel rolls and alloy steel (EN 24) gears.
- Max. width of Rollers - 1750mm
- Automatic feeding of sheet using proximity switch & counter.

FOOT RING FORMING PRESS

Salient Feature -

- H-type fabricated sturdy and ergonomic design
- Gun metal bush guiding of slide for precise movement of punch
- High speed movement using High/Low flow arrangement through pressure control module.
- Hardened and tempered High quality Die and Punch
- Cylinder capacity - 100 ton
- Motor Capacity - 10 hp
- Production Rate - 6-8 Pcs/min.



BUNGE HOLE PUNCHING PRESS

Salient Feature -

- H-type fabricated frame made of Quality Steel
- High speed movement using High/Low flow arrangement through pressure control module.
- Hardened High quality Die and punch
- Cylinder capacity - 40 ton
- Motor Capacity - 5 hp
- Production Rate - 6-8 Pcs/min.