

OUR OTHER PRODUCTS

Scrap Shearing Press

Conveyor System

UPCOMING MACHINERY SPECIALLY DESIGNED FOR LPG PLANTS

Trimming + Joggling Machine

An Integrated solution for both trimming & joggling 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.

HYDRO MECHANIK ENGINEERS

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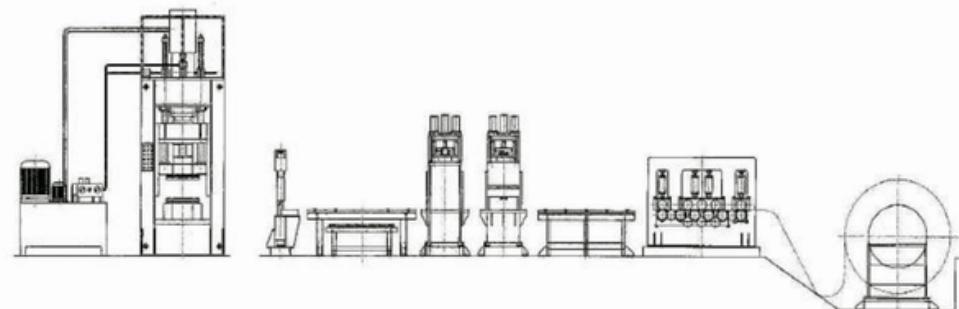
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FOR

CYLINDER MANUFACTURING INDUSTRY



DRAWING DEEP



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.