



Mahadyuti
ENGINEERING SOLUTION



SMALL SCALE
MACHINE MANUFACTURER &
ENGINEERING CONSULTANT

**HYDRAULIC SYSTEM
& SPARE PARTS FOR MSME INDUSTRY**



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BE JOB PROVIDER, INSTEAD OF JOB SEEKER & INNOVATE YOUR WORLD

ABOUT US

Mahadyuti Engineering Solution is a Bhopal (Madhya Pradesh) based organization which was incorporated in the year 2016. Under the leadership of our efficient mentors, we have been able to acquire a distinguished position in the industry.

Infrastructure

We owned a well-developed infrastructure facility which is equipped with ultra-modern machines ensuring high efficiency and low production cost. Apart from this, our unit is segregated into different segments such as production, marketing, procurement and logistics etc ensuring smooth flow of activities.

Our Team

We are backed by team of hardworking professionals that helps us to meet the exact demands of buyers in the most successful manner. Apart from this, we work in close coordination with clients so as to maintain cordial relation with them.

Nationwide Reach

With the help of our wide distribution networks, we are able to deliver our products in all across the nation with great ease. Additionally, our modern transit facilities enable prompt and safe delivery.

MISSION

Is to **provide ground solutions** that are we engineered, pragmatic and innovative, using the specialist skills and experience of our team, to meet and exceed the expectations of our clients.

VISION

Is to create a consultancy that continue to be recognized for its contribution to achieving and setting best practice standards in engineering and business as we develop our company from now into the 2020s. We will be a dominant force in the provision of ground solutions with a powerful national and regional presence. We will achieve this from the delivery of high quality consultancy advice based on the knowledge and capabilities of our experienced and motivated specialist staff.



HYDRAULIC POWER PACK

Hydraulic power packs are required in railway, construction, petroleum, shipbuilding, and many others. With maximum working speed and pressure, these power packs are quite appropriate for hydraulic work in gas wells and servicing oil units. Its performance is checked through different parameters before the final transmission. By searching on the our website, you will find different types of hydraulic power packs.

Features:

- » Easy to Installation
 - » Low Operating Cost
 - » Corrosion Resistant
- Maximum Performance
 - Long Lasting

OUR RANGE IN HYDRAULIC POWER PACK

- Tank Capacity-30Ltr Upto 3000Ltr
- Motor Capacity - 0.5 HP- 50 HP
- Cooling Unit-Water Cooled Oil Coolers / Air Cooled Oil Coolers
- Working Pressure—0 -700 Bar
- With Electric Control Panel
- Current Type-AC / DC



Hydraulic Power Pack For Spm



Hydraulic power pack For Tube Mill



Hydraulic Power Pack For SPM



Hydraulic Power Pack For CNC clamping



HYDRAULIC CYLINDERS

A hydraulic cylinder is a mechanically designed device that is used to give a unidirectional force through a unidirectional stroke. This device is widely used in manufacturing machinery, constructional equipment, engineering vehicles etc. It uses the power from the pressurized hydraulic fluid. This device consists of a cylinder barrel in which a piston is connected to a piston rod. Our Hydraulic Cylinders are used in different industries like- Rolling Mill Industries, Paper Mill Industries, Die Casting Units, Furnace Industries, and Steel Industries etc.

Features:

- » Easy to installation
- » It is cost effective.
- » It is appropriate for Heavy Industries. » Long Lasting
- » Our Designs are as per customer's requirement so compact in size.
- » Corrosion Resistant

Our Range in Hydraulic Cylinder

Type- Single acting / Double acting

Bore size- 50mm - 500mm

Stroke Length- 20mm - 4000mm

Working Pressure- 700 Bar Max.

With reputed imported seals

Design- Tie Rod, Welded, Mobile Design etc

Mounting Type- front flange, rear flange, eye mounting, Trunnion mounting, through shaft etc



Hydraulic Cylinder - Front Trunnion



Hydraulic Cylinder - Center Trunnion with Tie Rod Design



Hydraulic Cylinder - Welded Design Rear Clevis



Hydraulic Cylinder - Customize



Hydraulic Cylinder - Tie Rod Design Front Flange



Hydraulic Cylinder - For Bending Press



Hydraulic Cylinder - Welded Design Round Flange

OIL COOLERS

OUR AIR COOLED OIL COOLERS

OUR AIR COOLED OIL COOLERS ARE FOR HYDRAULIC SYSTEMS for heat reduction AND ITS USE is getting more and more frequent than that of water cooled oil coolers.the plate –fin heat exchangers are characterized by compact, lightweight, efficient design. The efficiency of heat conduction is even superior to shell- and-tubetype heat exchangers. It provides significantly more cooling per cubic inch than the other designs.

Features: Cost Effective, Lightweight, Easy To Mount, Eco Friendly, Ready For Use.



AH 0608



AH 0608



AH 1012



AH 1215



AH 1418



AH 1428



AH 1490



AH 1680



AH 1890



AH 1012



AH 1215



Model AL 608

AIR COOLED OIL COOLER

Oil coolers are used in drain lines to reduce the oil temperature. We deliver best range of air cooled oil coolers

| MODEL | THREAD | OIL FLOW | WORKING | CAPACITY | MOTOR | DIMENSION |
|--------------|--------|----------|----------|-----------------------------------|--------|-----------------|
| | | l/min | PRESSURE | Kcal/h | HP | LxHxW |
| | | | (BAR) | ($\Delta T=25^{\circ}\text{C}$) | | m/m |
| AH0608T-CA* | 3/4" | 3-20 | 20 | 1,000 | 1-2 | 305 x 200 x 115 |
| AH0608LT-CA* | 3/4" | 3-20 | 20 | 2,000 | 2-3 | 405 x 200 x 115 |
| AH1012-CA* | 1" | 20-100 | 20 | 4,167 | 3-5 | 417 x 360 x 200 |
| AH1215-A* | 1" | 20-100 | 20 | 4,583 | 5-7.5 | 510 x 390 x 210 |
| AH1418-CA* | 1" | 30-100 | 20 | 8,333 | 7.5-10 | 570 x 420 x 200 |
| AH1428-CA* | 1 1/4" | 30-200 | 20 | 10,833 | 15-20 | 570 x 420 x 230 |
| AH1470-A* | 1 1/4" | 30-100 | 20 | 9,167 | 10-15 | 570 x 407 x 225 |
| AH1470-CA* | 1 1/4" | 30-200 | 20 | 10,833 | 15-20 | 520 x 475 x 320 |
| AH1490-CA* | 1 1/2" | 30-200 | 20 | 13,333 | 20-25 | 520 x 640 x 300 |
| AH1680-CA* | 1 1/2" | 30-250 | 20 | 17,500 | 25-40 | 520 x 640 x 320 |
| AH1890-CA* | 1 1/2" | 30-250 | 20 | 20,833 | 30-50 | 650 x 800 x 380 |
| AW0608-CA* | 1/2" | 1-20 | 15 | 750 | 1-1.5 | 310 x 200 x 108 |
| AW0608L-CA* | 1/2" | 1-20 | 15 | 1250 | 1-2 | 410 x 200 x 108 |
| AL608-A* | 3/8" | 1-10 | 10 | 660 | | 250 x 203 x 110 |

HYDRAULIC PRESS

A hydraulic press is a device using a hydraulic cylinder and hydraulic power pack to generate a compressive force for pressing something. Hydraulic presses are commonly used for forging, clinching, moulding, blanking, punching, deep drawing, and metal forming operations

Features:

- » Easy to installation
- » It is cost effective.
- » It is appropriate for Heavy Industries.
- » Long Lasting
- » Corrosion Resistant
- » Our Designs are as per customer's requirement so compact in size.

According to the structural form, the hydraulic press machine is mainly divided into:

Our Range in Hydraulic Press

- Four-column hydraulic press
- Single column hydraulic press (C type)
- Horizontal hydraulic press
- Universal hydraulic press



HYDRAULIC PRESS C TYPE

Hydraulic Press 150 Ton



HYDRAULIC PRESS H TYPE

Hydraulic Press 100 Ton



HYDRAULIC PRESS H TYPE

Hydraulic Press 20 Ton

INDUSTRIAL HYDRAULIC JACK

Single & Double Acting

A hydraulic jack is a device that allows heavy loads by using force. The primary mechanism depends on the type of jack. These Hydraulic jacks can lift the heavy loads. Designs from our Industrial Hydraulic jacks are used in construction sites, cement plants, different mills, railways sites and many other industries.

Features:

- » Easy to installation
- » Maximum Performance
- » Long Lasting
- » Corrosion Resistant

- » Low operating cost
- » Hydraulic power pack with hand lever valve or with electrical panel and autocut off with pressure switch

Our Range in Industrial Hydraulic Jacks

Type- Single acting / Double acting

Capacity - 5Ton - 1000 Ton

Working Pressure-700 Bar Max.

With reputed imported seals

Design- as per customer's requirement



Hydraulic Jack 300 Ton Double Acting



Hydraulic Jack 100 Ton Single Acting



Hydraulic Jack 200 Ton Double Acting



Hydraulic Jack 25, 50, 100 Ton Single Acting



Hydraulic Jack 15 Ton Single Acting



Hydraulic Jack 50 Ton Single Acting

HYDRAULIC SPARE PARTS



Hydraulic Pump



Bell Housing/ L-Type Bracket



Direction Control Valve



Pressure Relief Valve



Manifold Block



Pressure Gauge

HYDRAULIC SPARE PARTS



Filler Breather/ Tank Breather



Suction Strainer Filter



Oil Level Indicator



Lever Operated DC Valve



Hydraulic Motor



Nylon Sleeve Gear Coupling

HYDRAULIC SPARE PARTS



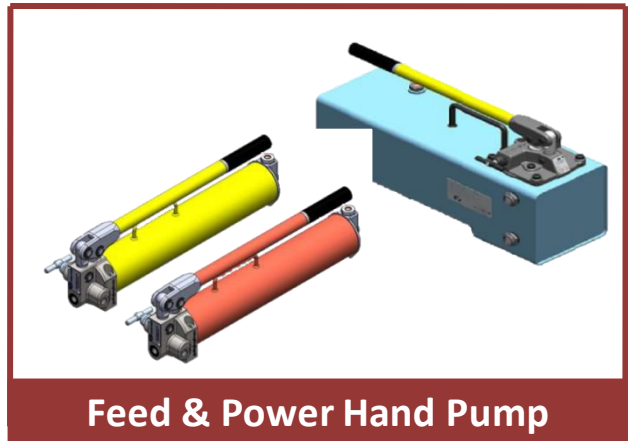
Hydraulic Fitting



Hydraulic Oil Seal



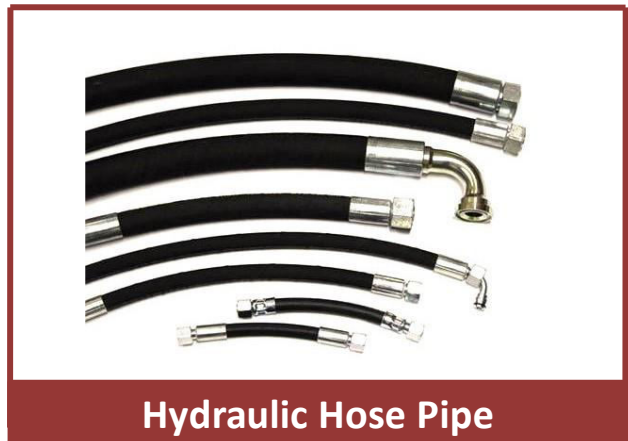
Hydraulic Control Panel



Feed & Power Hand Pump



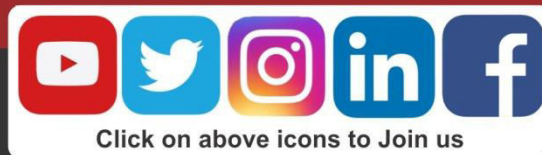
Customize Electric Control Panel



Hydraulic Hose Pipe



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www.mahadyuti.in

