

**Best Solution for
Hydraulic Cylinders
Hydraulic Powerpacks**



AN ISO 9001 : 2008 COMPANY

**AB HYDROMATICS
PRIVATE LIMITED**



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Introduction

AB Hydromatics Pvt. Ltd. :- An ISO 9001 : 2008 company is a AB Group company it was started in the year 2008 with the name of AB Hydraulics. It is now a full-fledged corporate unit serving good quality products.

AB Hydromatics Pvt. Ltd. has a boost of envious customers and unmatched capability in the hydraulic industry of reverse engineering to provide import substitute products with a value for money concept to its customers.

AB Hydromatics Pvt. Ltd. is committed to serve with their products like hydraulic cylinders & powerpack in various fields like cement plants, steel plants, thermal plants, pharma plants, coal mines, road construction manufacturer as well as in industrial application.

We are into making OEM replacement cylinders for heavy size excavators, Dozer, Dumper Loader. Plant side cylinders like Vertical Raw Mill Cylinder, Roller Press Cylinder, Kelln Cylinder, Coal Mill Cylinder, Reclaimer Cylinder.



Types of Cylinders

BASED ON WORKING

SINGLE ACTING CYLINDER :

Gravity or spring return oil supply from one side.

DOUBLE ACTING CYLINDER :

Forward and reverse both side working.

CUSION & NON CUSION CYLINDER :

Mainly use to prevent end damaged cusion is require.

DIFFERENTIAL & NON DIFFERENTIAL CYLINDER :

- > Differential-both side area is different so speed and load capacity will be different in forward and reverse stroke.
- > Non Differential-both side area is same so speed and load capacity will be same in forward and reverse stroke.

BASED ON CONSTRUCTION OF CYLINDER

WELDED CONSTRUCTION

TIE ROAD CONSTRUCTION

BOLTED CONSTRUCTION

BASED ON DIFFERENT MOUNTED OF CYLINDER

CLEVIS MOUNTED

FRONT FLANGE MOUNTED

REAR FLANGE MOUNTED

FOOT & LUG MOUNTED

TRUNION MOUNTED





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PRODUCTS RANGE

Products Range

STANDARD CYLINDERS

Bore Range : 40 mm to 1000 mm

Rod Range : 16 mm to 800 mm

Stroke : up to 10000 mm

Pressure Range : up to 500 kg/cm²

HEMM MACHINES

EXCAVATORS :

CAT : 320, 330

VOLVO : 140, 210, 290, 360

**TATA HITACHI : Ex-60/70, Ex-100, Ex-110, Ex-200, Ex-210, Ex-350, Ex-400,
Ex-600, Ex-1100, Ex-1200**

ZEXIS : 110, 120, 200, 210, 450, 650, 400, 370

DEMAG : H-36/40, H-55, H-55 N

O & K : RH-30, RH-40, RH-75, RH-90, RH-120, RH-340

BEML : BE-200, BE-220, PC-650, PC-1000

L&T Komatsu : PC-130, PC-200, PC-300, PC-450, PC-1250

L&T Poclain : CK 72, CK 90, CK 300

JCB : JS-130, JS-140, JS-200, JS-210

KOBELCO : 210, 350

DUMPERS :

**BEML : LW-35/LW-50, LW-120/LW-170, HD 785, 1035 N, BH-35, BH-45,
BH -100, BH-35-2**

CAT : 773B

Komatsu : HD-465, HD-785

LOADERS :

HM-2021, 2021 Z BAR, HM-2071, TATA-3036, WA-500

DOZERS :

BEML : D-80, D-120, D-155, D-355

CAT : D6

Komatsu : D-155A, D-375A, D-275A

HYDRAULIC JACKS :

100 Tonnes to 1000 Tonnes. Up to 1000 mm stroke.

PLANT SIDE CYLINDER :

Piston Accumulator

Crusher Cylinder

Flat Cylinder

Raw Mill Cylinder

Stacker Cylinder

Tripple Gate Hyd. Cyl.

Extractor Cylinder

Kelln Cylinder

Coal Mill Cylinder

Reclaimer Cylinder

Spring Out Cylinder

Grinding Path Cylinder



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PRODUCTS RANGE

Products Range

Custom Built Hydraulic Cylinders :

Custom Built Hydraulic Cylinders for O. E. manufacturers as per their design & specification suitable up to 500 kg/cm².

Custom Built Hydraulic Cylinders for Spares requirement for actual users of the equipments deployed with various customer in mining sector like Coalfields and Cement Plants and Steel Plants

Grease Cylinders : Heavy duty welded construction suitable up to 500 kg/cm² for track tensioning application.

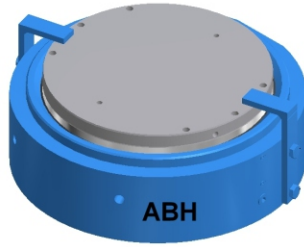
Nitrogen Cylinders : Heavy duty welded construction suitable for various applications like shock absorbers, Cushions, Spring etc.

Hydraulic Jacks : A compact design heavy duty welded construction Hydraulic Jack equipment / inter changeable with standard supplies available from various overseas suppliers.

Service Sector : Complete reconditioning of Hydraulics cylinders for various Earth moving equipment. Our Service Division is equipped with all facilities to Assemble, Test and Manufacture such big and heavy duty cylinders. Assembly Bench is large and vertical where we can assemble cylinders upto 4000 mm long and weighing 3 tonnes in vertical condition.

Hydraulic Cylinder Seals : Being users of various makes of seals, including Parker, Shanbhan, Hallites, Mercle, NOK, Smrith. We are in a position to offer standard Seal Kits for most of the earth moving equipments working in INDIA both indigenous as well as imported.

Our Prestigious Development



Roller Press Cylinder

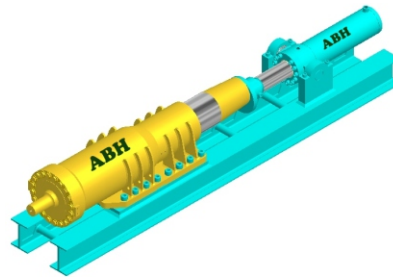
This is a double acting Flat Hydraulic Cylinder for Grinding Unit, having 700mm, 770mm & 800mm bore and 70mm to 150mm stroke; suitable to work at a pressure of 300 bar. To ensure that the rod does not get tilted as it moves to and fro, a spherical ball guide is provided integral with the tube on which the rod reciprocates. This restricts undue lateral movement of piston rod.



Vertical Rolling Mill
Hydro Pneumatic Jack

This is a double acting hydraulic cylinder having oil on one side and nitrogen gas on other side, in a statically balanced condition. The grinding pulsations are absorbed by movement of cylinder up or down against hydraulic oil.

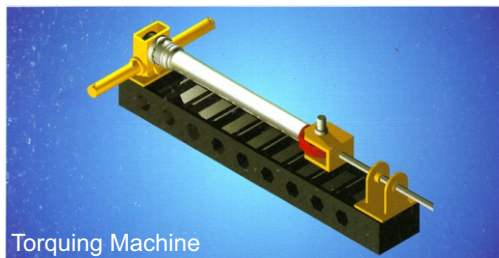
As soon as movement takes place, it is compensated and reversed to its original position by nitrogen which is on the other side of the piston.



Front Suspension Cylinder

A test bench to test such Suspensions has been developed and installed at our works for routine testing of various Suspension cylinders, which are not possible to test by any conventional means or conventional Test bench.

Indigenous Development of Special Equipments



Torquing Machine

To tighten or to loosen rod nut on piston rod, we have developed this attachment, which works on principle of rack and pinion. The rack is attached to piston rod of 2 Hydraulic cylinder, Which rotates the

pinion to and from.

A unit which can torque up to 12,000kg mtrs. Torque has been installed at our plant.

List of Machinery

1. VTL STANKO 2.75 MTR (Vertical Lathe)
2. VTL - SSE ITALY - 2.25 MTR (Vertical Lathe)
3. VTL - TOSS ESK - 12 (Vertical Lathe)
4. Boring Machine - TOS 100
5. Boring Machine - TOS 90
6. Precision Heavy duty lathe - 10 Nos.
7. Precision Heavy duty drill machine - 3 inch
8. Universal radial drill P Parmar - 38mm - 2Nos.
9. Accurate welding rectifier with argon attachment - 2Nos.
10. Hackshaw cutting machine -10"
11. Hydraulic test bench - 500 Kg/cm²
12. Hydraulic press - 50 tonnes
13. Honing machine - Bore up to Ø 1000 mm, length up to 5000 mm
14. Hydraulic Torque machine
15. Portable hardness tester
16. Coating Thikness Gauge
17. Air compressor
18. Over head crane - 10 tonnes
19. Over head crane - 5 tonnes
20. Over head crane - 2 tonnes
21. Surface Plate - 2200 x 700

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OUR VALUABLE CLIENTS

Our Valuable Clients



Ultratech Cement Limited



Century Cement



Diamond Cement



India Cement



JK Lakshmi Cement



J.K.Cement



Shree Cement Limited



Birla Corporation Limited



Jaiprakash Associates Limited



Binani Cement



JSW Cement



Manikgarh Cement



Birla Cement



Orient Cement



Prism Cement



Sanghi Cement



Wonder Cement



OCL India Limited



Hindustan Zinc Limited



Dhansar Engineering Company Pvt. Ltd.



Larsen & Toubro Ltd.



Jindal Saw Limited



Gujarat Pipavav Port Limited

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Our Valuable Clients



R K Marble Pvt. Ltd.



Wind World



Elecon Epc Projects Ltd



Apollo Infratech Pvt Ltd



AB Engitech



Tragen Technology



G R Infraprojects Ltd



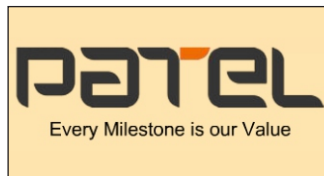
Raslila Enterprise Pvt. Ltd.



Ferro Concrete Const. (I) Pvt. Ltd.



SCCL



Patel Infrastructure Pvt. Ltd.



Mehrotra Buildcon Private Limited

HNG Float Glass Limited

Vista Mining Pvt. Ltd.

Kapil Mining Resources Pvt Ltd

Associated Soapstone Dist Co. Pvt Ltd

NEO Track Engineers

Modi Infrastone Pvt Ltd

Govt. of Gujarat Irrigation

Bhandari Foils and Tubes Ltd

Parth Equioment Ltd.

Kaizer Engineers

OUR VALUABLE CLIENTS

AB Group of Companies

AB Hydromatics Pvt. Ltd.

- Manufacturing / Repairing /Reconditoiningof all kinds of Hydraulic / Pneumatic Cylinders

AB Engineering Services

- Manufacturing /Reconditioning of all kind of Heavy Machinery Parts

Pratham Valves Pvt. Ltd.

- Manufacture of Industrial Valves

AB Engineers

- Manufacture of Hoist & Cranes

Bhagat Engineering Works

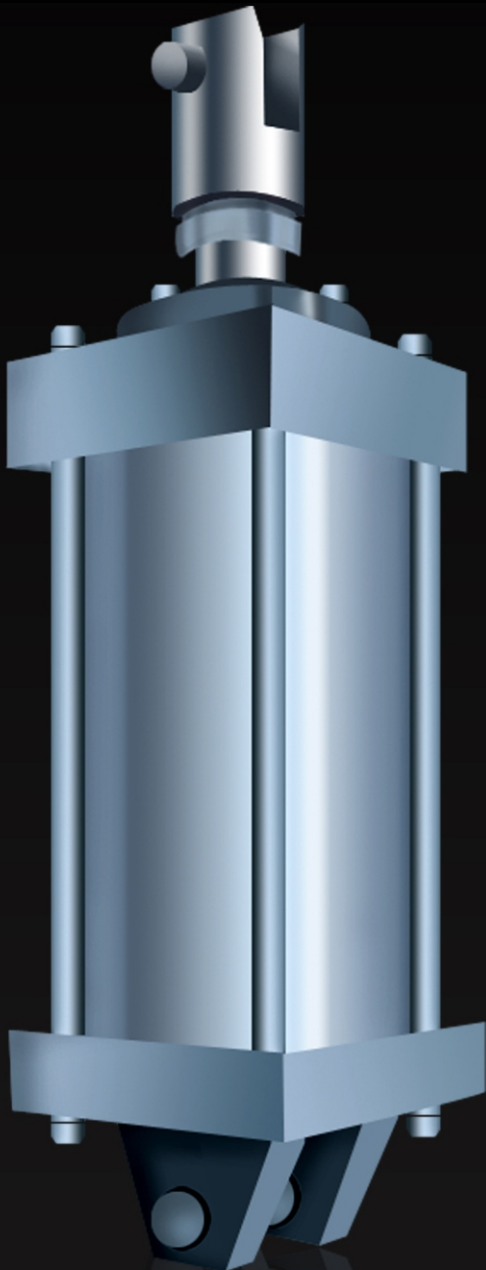
- Manufacturer of Crusher Parts : Jaw Plate, Concave, Mantle, Fly wheel, Pulley, Front & Back Frame

Ran Engineers

- Undertake all types of Industrial Electrical Contracts

Pratham Educare Pvt. Ltd.

- Premier Preschool chain "**RANGOLI**"



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Office & Works :

Plot No.180, Road No.4, G.I.D.C. Kathwada,
Nr. S. P. Ring Road, Ahmedabad-382430 (Guj.)

Telephone : +91 79 65101772

M : 09426501685, 099798 83750

Email : abhydraulics2008@gmail.com

info@abhydraulics.com

Website : www.abhydraulics.com