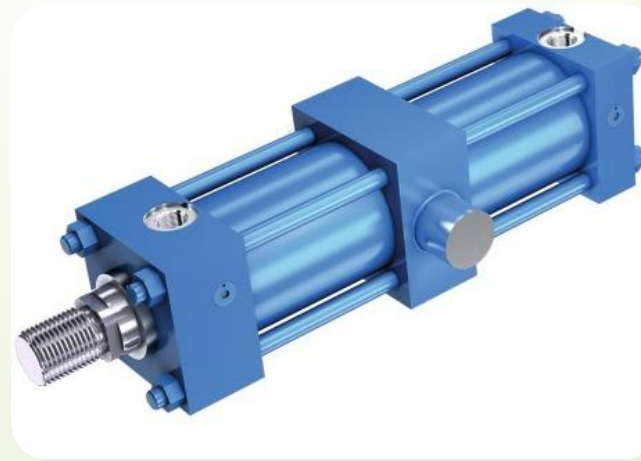




# THE PREMIUM HYDRAULICS & ENGINEERING SOLUTIONS LLP.



Dear Sir/Madam,

We have the pleasure to introduce ourselves as **THE PREMIUM HYDRAULIC & ENGINEERING SOLUTIONS LLP.** located in **CHINCHWAD,PUNE.** We are typically cost effective when "off the shelf" solutions are not available. We have capabilities to design And develop the special purpose machines, material handling solutions And low cost automation solutions. We believe in customized product designing to meet the client's specific need.

Along with are engaged in,

- Designing And supply of hydraulic systems And power pack suitable to your application.
- Designing And manufacturing of custom built hydraulic cylinders.
- Technical consultancies for press shop industry.
- System developments And up-gradations.
- Press component quality improvement And Energy conservation ( Cushion And counterbalance automation in case of mechanical presses. )

▪ Kirloskar oil engines Ltd.	▪ CIE Automotive.
▪ Jyotech Eng. & Marketing Consultant.	▪ ARAI- homologation and technology centre Chakan.
▪ Oasis Coils & Coatings LLC	▪ K-flex India Private Limited.
▪ JVS Comatsco Industries Private Limited.	▪ Mixtrap Solutions Private Limited.
▪ Excelsis Energy Private Limited.	▪ Hira Technologies.
▪ Cannon Indicos.	

We would like to be associated with you as a supplier to work on any relevant assignments where we can benefit you. We request you to give us enquiries in the above mentioned areas which we can discuss further with you.

Thanking you and looking forward to favorable response.

Sincerely yours,  
**Mr.Radhakrishna Ghule**  
09860795704  
[rkghule@nbtindia.co.in](mailto:rkghule@nbtindia.co.in)

---:THE PREMIUM HYDRAULICS & ENGINEERING SOLUTIONS LLP:---

:TRADITION:

:INNOVATION:

:DEDICATION:

## ► We are in to :-

1. Design Development, Manufacturing & Supply of Hydraulic Systems & Hydraulic power packs.
2. Manufacturing & supply of Hydraulic Cylinders & Hydraulic Jacks.
3. Manufacturing & supply of Hydraulic operated CNG Intensifier & Hydraulic Accumulators.
4. Manufacturing & Supply of Hydraulic Pulsation Test Systems
5. Manufacturing & Supply of Hydraulic Test Systems & SPM.
6. Manufacturing & Supply of Hydraulic Operated Vertical Honing Machines.
7. Manufacturing & Supply of Hydraulic/ Gas Piston Type Accumulators.
8. Manufacturing & Supply of Spring-Loaded Hydraulic Accumulators.
9. Manufacturing & Supply of High-Pressure Hand pumps.
10. We are regularly Repairing, Testing & supplying Hydro-Pneumatic Pumps, Piston Pumps, Valves, Hydraulic Cylinders, Jacks, CNG Intensifiers, Piston Accumulators etc.
11. We are also supporting to Engineering Students in Project Work.
12. We are supplying seal kits for CNG Intensifiers.

## ■ HYDRAULIC POWER PACKS



Max. pressure - 400 bar

Working pressure - 270 bar

Flow - 1.5 LPM

Drive motor - 2.2 kW,

Oil reservoir - 50 lit



Max. pressure - 210 bar  
Working pressure -160 bar  
Flow - 12 LPM  
Drive motor - 2.2 kW,  
Oil reservoir - 50 lit





Max. pressure - 210 bar  
Working pressure - 180 bar  
Flow - 52 LPM  
Drive motor - 5.5 kW,  
Oil reservoir - 140 lit  
Application – Bricks  
Manufacturing industry.



Max. pressure 300 bar, Working pressure 250 bar, Flow 10 LPM, Drive motor 3.7 kW, Oil reservoir 60 lit



Max. pressure - 210 bar  
Working pressure -160 bar  
Flow - 42 LPM  
Drive motor - 15 kW  
Oil reservoir - 180 lit  
Application- SPM

## ▪ HYDRAULIC POWER UNIT:-



Max. pressure 210 bar  
Working pressure 180 bar,  
Flow 80 LPM,  
Drive motor 45 kW,  
Oil reservoir 1000 lit.  
Application- Coupling  
Testing.

## ▪ **HYDRAULIC POWER UNIT:- S. S. 304.**

Max. pressure 250 bar, Working pressure 220 bar, Flow 40 LPM, Drive motor 22.5 kW, Oil reservoir 650 lit  
Application- Radiator & Oil coolers Testing



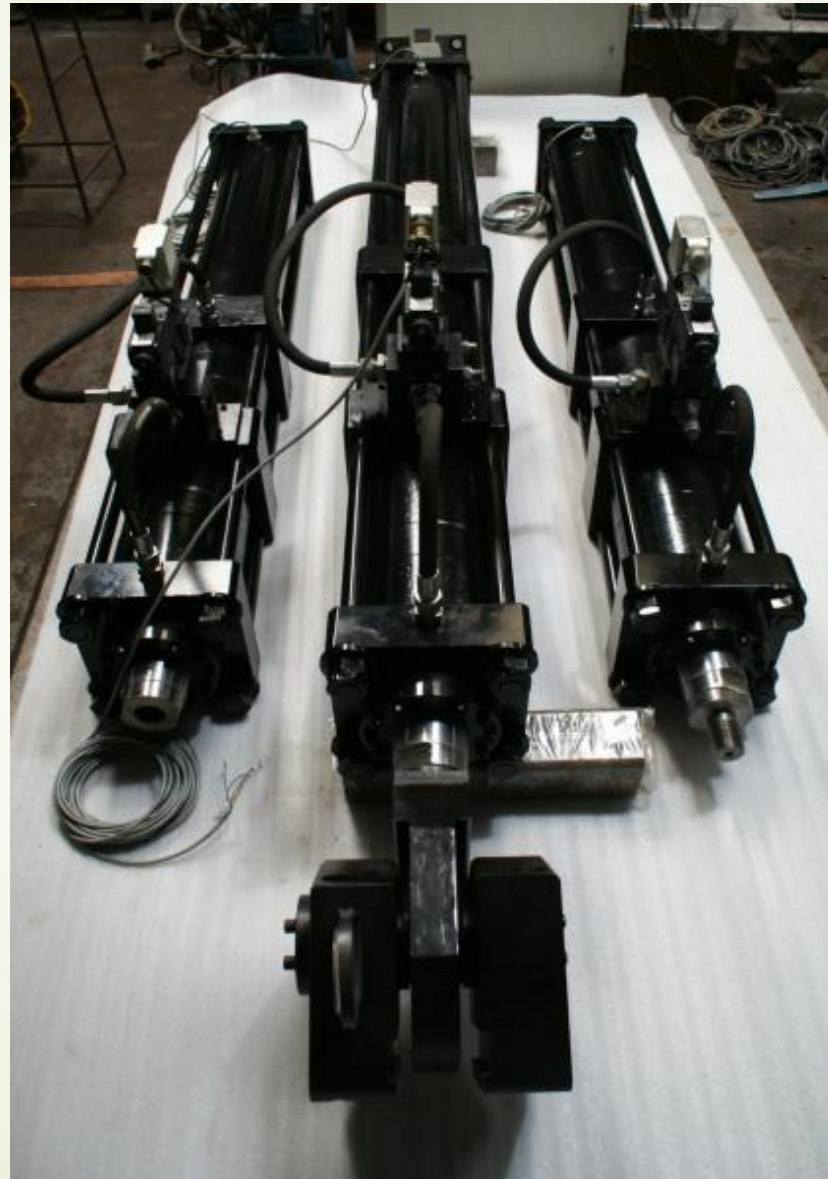
Max. pressure 250 bar, Working pressure 210 bar, Flow 80 LPM,  
Drive motor 45 kW, Oil reservoir 1200 lit.  
Application – Hydraulic Component Testing



## ■ HYDRAULIC CNG INTENSIFIERS



- Hyd. Working Max. Pressure:- **250 Bar**
- Hyd. Static test pressure :- **375 Bar**
- Operating speed :- **0.6 m/sec**
- Max .allowable speed for the seals:- **4 m/sec**
- Drive-Motor:- **22 |37 Kw (Flame Proof)**
- Flow Rate:- **450 | 650 SCMH**
- Max. Operating Temperature for Hyd. System :**60°c**
- Max. Operating Temperature for seals :- **260°c**
- Cooling Method:- **Air Cooling**
- Priority Panel:- **3 Lines (as per customer requirement)**
- Reliability:- **2000 Working Hours**
- **Mounting:- Horizontal Mounting**



Servo hydraulic fatigue rated actuators supplied to ARAI:-

Load capacity 250 KN,  
Stroke 500 mm & Stroke  
700 mm.:-

Servo-hydraulic actuators with servo-valves and built in stroke measurement sensors to operate in precise load / stroke control modes at 10 hz frequency

CNG-HYDRAULIC OPERATED BOOSTER  
ASSEMBLY with built in LVDT & proportional  
controls to have flow and pressure controls of CNG



CNG BOOSTER :

It is used as a CNG Gas Intensifier, which compresses the CNG Gas of low pressure to high pressure to fill Vehicle Gas tank.



- Hyd. Working Max. Pressure:- **250 Bar**
- Hyd. Static test pressure :- **375 Bar**
- Operating speed :- **0.6 m/sec**
- Max .allowable speed for the seals:- **4 m/sec**
- Drive-Motor:- **22 |37 Kw (Flame Proof)**
- Flow Rate:- **450 | 650 SCM/H**
- Max. Operating Temperature for Hyd. System :-**80°c**
- Max. Operating Temperature for seals :- **150°c**
- Cooling Method:- **Air Cooling**
- Priority Panel:- **3 Lines (as per customer requirement)**
- Reliability:- **2000 Working Hours**
- **Mounting:- Horizontal Mounting**

- **DOUBLE ACTING, DOUBLE ENDED & EQUAL AREA HYDRAULIC SERVO ACTUATOR.**



Rod Dia. – 160 mm,  
Bore Dia. – 280 mm,  
Stroke Length – 400 mm.  
Max. Working Pressure – 210 Bar  
Operating Speed – 20 m/s



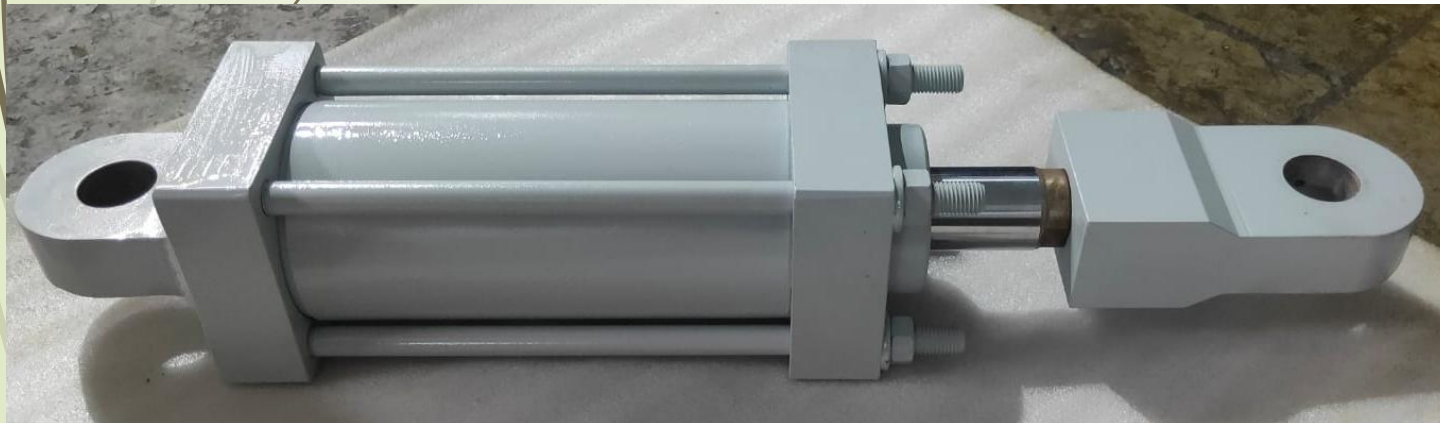
# CNG Intensifiers

CNG Intensifier maintenance work & testing Activity.



- **Specifications**

- Rod Dia. – 45 mm,
- Bore Dia. – 100 mm,
- Stroke Length – 150 mm.
- Working Pressure – 160 bar



# ▪ SOME RECENT HYDRAULIC CYLINDERS SUPPLIED



## ■ HYDRAULIC CNG INTENSIFIERS

- Suction Pressure:-**180 Bar**
- Operating Pressure:- **250 Bar**
- Drive-Motor:- **22 |37 Kw (Flame Proof)**
- Flow Rate:- **450 | 650 SCMh**
- N° Cylinder / N° stages :- **2/2**
- Seals:- **Trelleborg Seal's**
- Cooling Method:- **Air Cooling**
- Priority Panel:- **3 Lines (as per customer requirement)**
- Weight:-**625 Kg**
- Reliability:- **2000 Working Hours**
- Mounting:- **Vertical Mounting**



## ■ HYDRAULIC CNG INTENSIFIERS

- Hyd. Working Max. Pressure:- **250 Bar**
- Hyd. Static test pressure :- **375 Bar**
- Operating speed :- **0.6 m/sec**
- Max .allowable speed for the seals:- **4 m/sec**
- Drive-Motor:- **22 |37 Kw (Flame Proof)**
- Flow Rate:- **450 | 650 SCMH**
- Max. Operating Temperature for Hyd. System :-**80°c**
- Max. Operating Temperature for seals :- **150°c**
- Cooling Method:- **Air Cooling**
- Priority Panel:- **3 Lines (as per customer requirement)**
- Reliability:- **2000 Working Hours**
- **Mounting:- Horizontal Mounting**



## ▪ HYDRAULIC JACK



- **Specifications**
- Capacity – 100 Ton
- Stroke Length – 150 mm.
- Working Pressure – 700 bar

## ■ HYDRAULIC JACK & HAND PUMP 700 BAR.



Supplied more than 150 hydraulic jacks ranging from 5 tons to 500 tons capacity.

- Hollow jacks
- Gravity fall single acting
- Spring return jacks



## ■ MAINTENANCE ENGINEERING:

### REPAIRING AND UP GRADATION OF EXISTING SYSTEMS

**“OUR CARE TO YOUR EQUIPMENT'S; IMPROVES YOUR PRODUCTIVITY”**

Do you face the problems that machines are out of warranty and it is expensive to maintain these machines?

Do you need agency to support your maintenance staff to maintain these machines or to sharpen their fundamental engineering skills?

Do you have hydraulically operated machines and facing problems for trouble shooting and maintenance?

Do you suffering from repetitive breakdowns or poor performance of any equipment or system?

Are you looking for an agency to develop & supply any spares which are not readily available or available but charged exorbitant by your current suppliers?

We have one stop solution for these problems you may be facing. We have gained immense exposure and experience in the area of maintenance engineering as well as development of product / SPMs / equipment; which we turn around and apply advantageously for your benefits.



# ■ HYDRAULIC PUMP REPAIRED

Makes:-  
Hydro matic, Germany  
Rexroth, Germany  
Parker, France,  
Linde, Germany  
Yuken, Japan  
Atos, Itali



# ■ HYDRAULIC PUMP REPAIRING AND TESTING,



## ■ HYDRO-MOTOR REPAIRED

Makes:-

Intra, Itali,

Staffa, USA,

Dusterloh, German

Kawasaki, Japan



# ■ HYDRO-PNEUMATIC PUMP REPAIRING

**MAXIMATOR®**  
Maximum Pressure.



**KOSMEK**  
Harmony in Innovation

## ■ HYDRO-PNEUMATIC PUMP REPAIRING



## ■ HYDRO-PNEUMATIC PUMP REPAIRING,

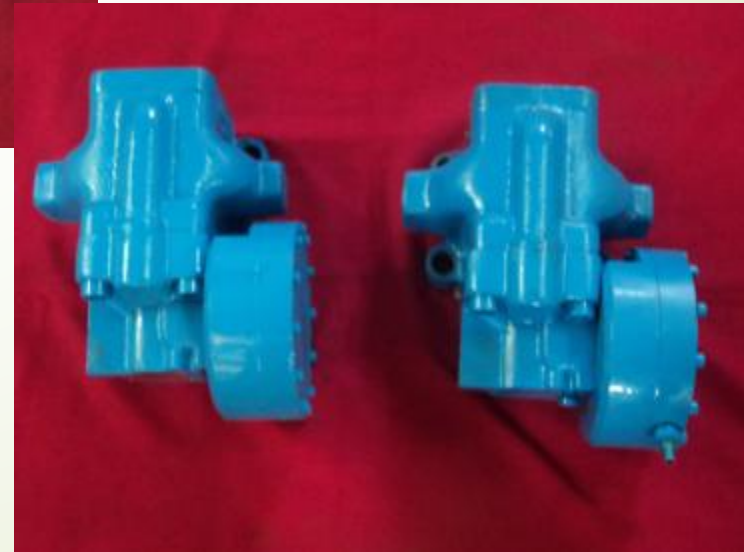
*All these hydro-pneumatic pumps of Pascal, SC make we have repaired , tested & supplied most of the press shop industry for the hydraulic over load safty system on mechanical presses & for the manufacturing the Test Rigs.*



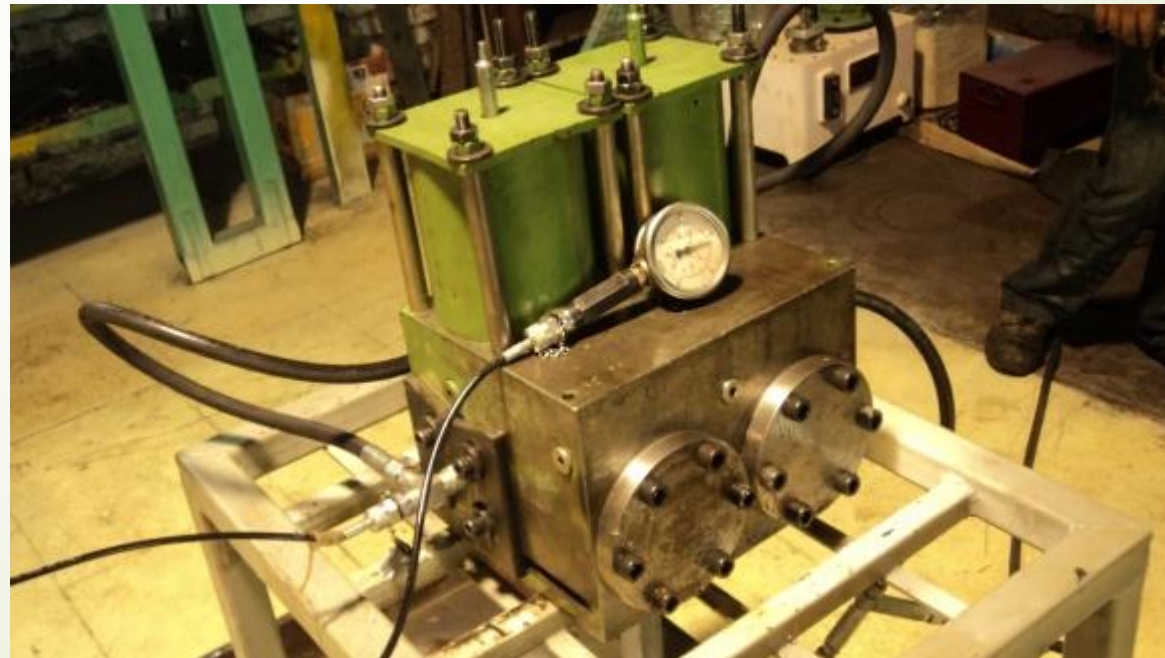
# ■ HYDRAULIC OVERLOAD PROTECTION (DUMP) VALVES REPAIRED



**Op** Olmsted Products Co.  
A Subsidiary of the Oilgear Company



# ■ HYDRAULIC OVERLOAD PROTECTION (DUMP) VALVES REPAIRED



**Makes:-  
Erfurt, Germany**

# ■ HYDRAULIC SYSTEMS REPAIRED

Hyd. overload system



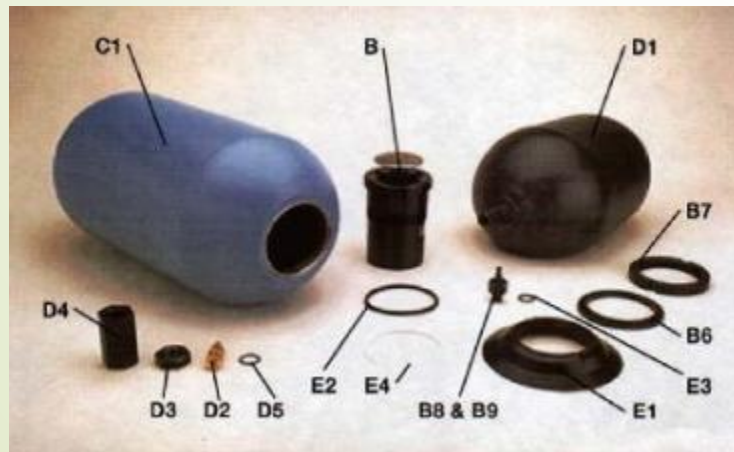
Hydraulic clutch  
brake system >>



Hyd. special purpose  
power unit



# ■ HYDRAULIC ACCUMULATORS REPAIRING



- HYDRAULIC VALVE REPAIRING
- HYDRAULIC CYLINDER REPAIRING



These are some (Rexroth, Vickers, Denison, Veljan, Yuken, Atos) valves , we have repaired, tested & supplied to customers.

atos 

Bosch Rexroth





THE PREMIUM HYDRAULICS & ENGINEERING SOLUTIONS LLP.

## Contact us



Address: -Sr.No. 5/1 A, Pune Alandi road, Datt gad Nagar, Dighi, Pune city, Dighi Camp, Pune Maharashtra 411015.



Plot 56/10, D II Block, Near Mohan nagar Police Chowky, MIDC, Chinchwad, Pune, 411 019, MH., India.



FIND ME



+91-9860795704



thepremium1125@gmail.com



# THANK YOU...