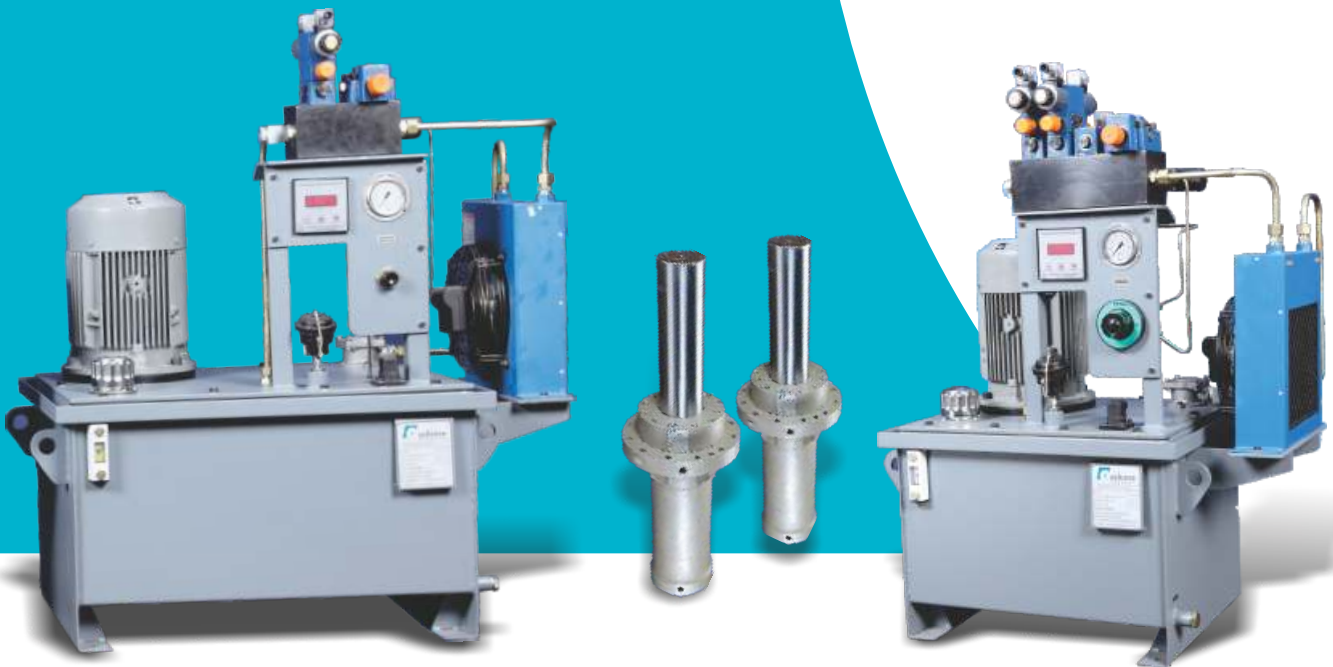


Trusted for reliability and Service

Hydraulic : Cylinders, Power Packs, Presses, SPMs

**achieve**  
hydraulics & pneumatics  
Competitive edge - always



# Introducing For ACHIEVE HYDRAULICS and PNEUMATICS

Achieve Hydraulics and Pneumatics is an ISO 9001:2008 company in 2004 marked the moderate beginning of a big dream. R. P. Sonawane, a mechanical engineer, after gaining rich experience of about 12 years in the field, founded Achieve Hydraulics and Pneumatics. The objective well defined - To provide clients with highly reliable hydraulic and pneumatic cylinders and power packs at a competitive price and in the fastest possible time. Very soon, Achieve products started featuring as standard fitments in equipments of several reputed OEMs.

## Hydraulic & Pneumatic Cylinders



Achieve delivers precision engineered hydraulic cylinders, components, solutions and truck hydraulics components to OEMs in the infrastructure and related industries.

Engineered with high-end state-of-the-art technology, our hydraulic cylinders are largely utilized for applications in fine feed or high speed, fluid power for pushing and pulling, static and dynamic load, short or long strokes or combinations of these and other requirements.

### Features :

- Design - As per ISO 6020/2
- Hydraulic cylinders for medium duty, heavy duty and high pressure applications
- Pressure - Up to 350 bar
- Stroke - Up to 8000mm
- Surface finish with Ra value less than 0.3 microns

### Applications :

- Hydraulic cylinders for blast furnaces, hot and cold rolling mills, furnace tilt cylinders
- Die holding cylinders for casting industry
- Pusher cylinders for forging industry
- Special Purpose Machines (SPMs)
- Earth moving industries

- Farming machines
- Industrial machines, road rollers and crawler drills, tractors and fork lifts
- Machine tools, construction machinery
- Material and cargo handling
- Industrial applications

**For Steel, Power,  
Navy, Defence, Automobile,  
Earthmovers, Forging & Casting**



Achieve specializes in providing customized solutions for hydraulic or pneumatic cylinders and power packs. This development is undertaken at no additional cost for our clients. With our experience of over several years and a variety of application requirements, the time required for developments is very short. To ensure higher product quality and reliability, we employ latest machines, manufacturing techniques and quality systems. Every Achieve product undergoes a stringent performance test before it reaches you. By being with us, you can achieve assured competitive edge - always.



## Hydraulic Systems



Hydraulic power pack - 280 Bar  
Vikram Sarabhai Space Research Center



Hydraulic flushing Unit  
Hindustan shipyard Limited



Electrically operated power pack from Achieve are compact, portable and light weight. These are equipped with 3way/4way/double acting cylinders. The power pack includes direct on-line starter/electrical control whenever required. The volume of the cylinders to be operated. The hydraulic systems can be designed to meet specific customer requirements.

### Features :

- Flow - Up to 450 lpm
- Pressure - Up to 400bar
- All Pumps, valves are of internationally reputed makes such as Rexroth / Eaton / Yuken / Polyhydron / Dowty
- All valves are mounted on specially designed manifolds
- Heavy-duty pumps are of Rexroth, Eaton, Polyhydron, Danison makes for trouble-free operation.

### Applications :

- Hydraulic Power Unites for power plants, steel industries, machine tool applications, presses and marine applications,
- Hydraulic test benches fro hydraulic valves and pumps

- Lubrication systems, valve stations for steel industry
- Hydraulic flushing systems with hydraulic oil and water glycol for defence industry

**For Steel, Power, Navy,  
Defence, Automobile,  
Wind & Mobile**



# Special Purpose Machines

Application-based engineering guarantees customized, economical solutions. Complete systems, Sub-systems and complex, controlled drive units, including electrical equipment and electronics for automobiles, manufacturing, steel, power, mobile and defence industries.



Trimming Machine



Punching Machine



5 Tons Pillar Type Press



Compressive Strength Testing Machines

## Features :

- Capacity - Up to 500 Ton
- Pressure - Up to 300 bar

## Applications

- Hydraulic press for blanking operation
- Rubber molding press
- Cutting
- Tilting press

**For Defence, Automobile,  
Forging & Manufacturing**





Automatic Blanking Press  
with pick and place arrangement  
Ordnance Factory Dehu road



Gravity Tilting Die Casting Machine



Gravity Die Casting Machine

**For Automobile, Casting &  
Die Manufacturing Industries**





**Features :**

- Capacity - Up to 500 Ton
- Pressure - Up to 200 bar
- Bottom Bolster Hydraulic movement
- Accurate slide guiding arrangement
- Accurate slide parallelism arrangement
- Fabricated, ultrasonically tested steel construction frame
- Mechanical locking arrangement for operator safety.
- PLC control panel for electronic control

parts of the die. Spotting presses are also defined by their exigent characteristics when it comes to stopping and guiding positions. Next, molds are less exigent in guiding, with column guides normally being used. On the other hand, the general recommendation is to add tilting devices in both the bolster and slide, which will improve the ergonomics of skilled workers who are fitting the mold.

# Hydraulic Presses

Achieve offers a broad range of industrial presses engineered to meet clients' specific application requirement. Every press is constructed with a virgin mild steel frame for highest stability and rigidity. These advanced industrial presses can be integrated with PLC controller for fully automated production. Application-based engineering guarantees customized, economical solutions.



1 Tons "C" Types Press

## Features :

- Capacity - Up to 500 Ton
- Pressure - Up to 300 bar
- Fabricated, ultrasonically tested steel construction frame.
- Accurate slide guiding arrangement
- Bottom cushioning arrangement
- Stroke limiter and damping device
- Efficient and low noise hydraulic drive systems accurate slide parallelism arrangement
- Operator safety system
- Cylinder fast approach, slow pressing and fast return speed.

## Applications :

- Hydraulic die spotting press
- Hydraulic press for blanking & Punching operation
- GDC tilting machine
- Powder compacting
- Forging
- Stamping and pressing
- Deep drawing operations
- Steel rule die cutting
- Rubber molding press
- LPDC machine



60 Ton Hydraulic Press  
Ordnance Factory Dehuroad



80 Tons 'C' Types Press



100 Tons Hydraulic Press





Veneer Hot Press



ASTM Laboratory Hydraulic Press -  
 Defence Institute of advance Technology



C - Frame Type Hydraulic Press

**For Defence,  
 Automobile & forging**



# Fly ash bricks and interlocking paving blocks making machines

Automatic fly ash brick making machines  
 Interlocking paver block making machine  
 CLC (Celluar light - weight concrete) block making machine  
 AAC Plant



**1000 bricks\*/hour**  
 3 bricks / stroke  
 6 to 7 cycle / minute  
 pressing capacity : 40T  
 Fully automatic PLC control

**1500 bricks\* or 1000 paver blocks / hour**  
 3 bricks or 2 paver blocks / stroke  
 6 to 7 cycles / minute  
 Pressing capacity : 75T  
 Fully automatic PLC control

**3000 bricks\* / hour**  
 8 bricks / stroke  
 6 to 7 cycles / minute  
 Pressing capacity : 105T  
 Fully automatic PLC Control

**1500 bricks\*/hour**  
 4 bricks /stroke  
 6 to 7 cycles / minute  
 Pressng capacity : 50T  
 Fully automatic PLC control

**2000 bricks\* / hour**  
 6 bricks / stroke  
 6 to 7 cycle / minute  
 Pressing capacity : 65T  
 Fully automatic PLC control

**3500 bricks\* / hour**  
 10 bricks / stroke  
 6 cycles / minute  
 Pressing capacity : 120T  
 Fully automatic PLC control

**2500 bricks\*/hour**  
 7 bricks / stroke  
 6 to 7 cycles / minute  
 Pressing capacity : 80T  
 Fully automatic PLC control

Technical changes reserved.



## Achieve Hydraulics & Pneumatics

Gat No. 1567, Chikhali-Talawade Road,  
 Shelar Wasti, Chikhali, Pune 412 114 INDIA  
 Mobile : +91-992244 3405, 992244 9243, 95525 77988  
 Tel. : +91-20-6534 4771, 6613 9004/5  
 Fax : +91-20-6613 9006  
 E-mail : sales@achievehydraulics.com  
[www.achievehydraulics.com](http://www.achievehydraulics.com)



An ISO 9001:2008 Certified Company