



Advance Technique with



RAHI
HYDRAULIC SYSTEM

www.rahihydraulic.in



DEEP DRAWING PRESS:

IT IS USE FOR MAKING PRESSER COOKER, VESSELS, OIL TANK, PETROL TANK, AUTO PARTS, KITCHENWARE PRODUCTS, ETC.



CLIPPING BENDING MACHINE



'C' FRAME PRESS

'C' frame are fabricated out of mild steel plate generously designed to with stand heavy working conditions with minimum stretching and deflection. The fabricated members of the press are stress relived. Two plates are bound together with welded support and tie rods. Precise machining of the structural members is done after normalizing to get the required accuracy like parallelism between platen and bed, right angularity between bed and the moving platen. Applications : It's highly applicable for high production of small jobs. Special presses are also available with high ram speeds.



'H' FRAME PRESS

Designed structure for various capacities are available for different types of works. Steel plates & designed coloumn are welded together for making 'H' Frame. The main advantage of 'H' Frame presses are differ then other presses due to its variable daylight. Its highly applicable for straightning, bending, bush fitting etc. 'H' Frame presses are manufactured in two catagories as a hand operated and power operated. Hand operated press are used for frequent jobs and power operated presses in productions work. Power operated press have a power packs for minimising a manual power with high torque & less effort. Applications : Auto service stations, machine shops, press shops, maintenance department of all machine tool, automobile, textile and other machinery manufacturers.



RING FRAME PRESS

These Presses have the most rigid structure, since then main frame work is made out of plates from which opening is cut out to form the daylight of the press. Since there are no welded joints in this frame profiles, deflection is minimum in this type of presses. However, there is a limitation in the stroke length and tonnage, that can be supplied in ring frame type of presses because of limitation in getting large steel profiles and also because of the difficulties in machining the larger plates accurately



HYDRAULIC POWER PACK UNIT

Complete hydraulic system is fluid a combination of different operating devices. Electric motor used are of totally enclosed fan cooled type. Pumps used are of vane, gear, axial piston or radial piston type depending on the requirement. Manifoldd valving system eliminates maintenance problems by reducing the piping involved largely and greatly simplifies servicing. Control panel is provided with electric circuit diagram. Various valves are used like flow control, pressure regulation, direction control and throttle etc. For different application Our power-Pack is a combination of different control, regulatory & sensing devices, which are manufactured by well known companies like rexorth, vickers, yuken, polyhydron, hydroline etc.

Displacement	- 1....200CC/REV
Max Pressure	- 350 KG/SQ.CM
Max Flow	- 250 L/MIN
Electric Power	- 10 HP



HYDRAULIC CYLINDER

The 'RENUKA' range of hydraulic cylinders are designed & engineered for almost every conceivable application odd low, medium and high pressure hydraulic system.

The product backed by people with over 15 years of experience in the field of fluid power, offers a perfect fusion of top quality & economical prices resulting in a very high degree of customer stisfaction.

Range :

- Bore**-Up to 350 RPM.
- Stroke** - Up to 3000 RPM.
- Pressure** - Up to 160, 250, 350 BAR

Construction Features :

- (1) Suitable for heavy duty applications up to 160 KG/SQ.CM & 250 KG/SQ.CM.
- (2) Welded construction or tie road type for rigidity.
- (3) Surface finish of micro honed tubes - 0.5 Ra or better.
- (4) Piston rods-ground, hard chrome plated and re-ground to finish better then 0.1 Ra for longer seal life.
- (5) Provision of bleed screw at both ends.
- (6) Option of minimum two rod sizes for each bore.

Design Features :

- (1) Piston rod of En-8 material.
- (2) Rod bearing - extra long cartridge houses wiper seal and non-metallic high abrasion resistant wear bands.
- (3) Rod seal of high abrasion resistant and durable life compound. .
- (4) Piston bearing-non .metallic, high abrasion resistant wear bands.
- (5) Bouble lip wiper of nitrile rubber to prevent entry of foreign particles into the cylinder.



Model	Type	Application	Mounting	Variations
PC 160	Double actin bore-40-100 working pressure 160	Clevis mounting spherical bearing	Light duty cylinder	Single acting surface treatment
PC 250	Double acting bore-40-250 working pressure 250	Clevis mounting spherical bearing front flange rear flange turnion mounting	Medium duty cylinder	Damping special seals surface treatment single acting
PC 350	Double actin bor-40-300 working pressure 300	Clevis mounting spherical bearing front flange rear flange	Heavy duty cylinder	damping special seal surface treatment single acting
PCP 250	Double actin bor-40-100	Clevis mounting front flange rear flange		specia seals surface treatment single acting



With the goal of high degree quality, **RENUKA** since 1990 developed & manufactured the Hydraulic Presser ranging from 2 Tons to 1000 Tons, for Wooden, Rubber, Metal Auto Parts & other Industries, also developed some Import substitute equipments related to Hydraulic for Govt., Semi Govt. & Private Sectors etc.

Hydraulic Presses for friction material with the advance technique of adjustable are breathing System to increase the production & avoid the rejection.

The newly developed **RENUKA** Hydraulic Deep Draw Press has brought revolution in process of long draw operation. Deep Draw components as required can be taken out in one stroke results in saving of 25% on Raw - material in addition to saving time, labour and many more advantages.

The Quality **RENUKA** equipments, backed by Class-I Sales Service is reflected from the number of repeated orders received from our many valued Customers.

Now-a-days development mainly takes place in the sector of Automation by Hydraulic for regular production jobs, Control Panel is fitted with PLC & Microprocess Control Systems results in increase the production by 15% to 20%.

RENUKA is in a position to design & develop the import substitute as per requirement of clients.

Dealer

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