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FRICTION SCREW PRESS – Capacity 50 Tons

The press frame is completely M. S. fabricated with plates in between two I-Beams which are bolted & welded to the plates and table is made from slab which is welded to the body plates with rigid supports. Special design nut housing for fitting special quality Manganese Bronze - Acme threaded nut with double check nuts. Alloy forged steel Screw is machined and fitted in Nut. The end of the screw is machined for fitting Friction flywheel with replaceable leather belt with ring bolted on the flywheel. Other end of screw is machined, Thrust bearing is fitted with check nuts and bolted in the solid MS block called RAM, which is completely machined and moving Up & Down in V-grooved guides welded to the press. Ram slides on the ribs with adjustable guide ribs bolted to the Ram body. The press body is welded with two arms fabricated with plate boxes. Special pedestals fitted with G. M. Bushes are bolted on the arms. The friction discs shafts runs in the bushes. Friction disc are fitted in key ways which are adjustable with check nuts to adjust distance between disc after wear and tear of leather belt. The machine can be operated Manually /Hydraulically as required for moving of Ram.

EJECTOR:

The Ejector works through the Bolster plate which can be operated mechanically by foot/hand or hydraulically. Ejector is adjustable type by screw fitted in between, so forging parts come up by moving Ram up.

SMALL MODELS:

These are used primarily for Embossing components for Jewelry industry, Coins, Medals, Dials and Cases or Pocket Medals, Ornaments, Metal Plates, Handles, Knives, Spoons, Forks, Any Household items, Stove Parts, Burners, Nickel and Silver Goods.

LARGE MODELS:

These are used for heavy duty Embossing work, requiring heavy powerful and pressure on them i.e. Embossing designs on Cutlery made of Stainless Steel, Silver, Gold Plated, Surgical Instruments and Formed pressed components for Motor Cars, Carriage Industry for Hot Working Steel, Brass, Aluminum and also for cutting, bending, automobile parts, Valves, LPG parts, Industrial Valve Parts, making Navsagar bars, Mica bricks as per Dies.

Immediate Delivery Available

SPECIFICATIONS
Max. pressure : 50 tons
Diameter of screw : 85 mm
Stroke of ram : 145 mm
Full strokes / min. : 30
Size of table : 325 mm X 365 mm
Max. ht. under ram : 285 mm
Min. ht. under ram : 145 mm
Dist. Between V guides : 280 mm
Dist. Between Ejector Rods : 300 mm
Hole in Ram : 32 mm
Hole in Table : 25 mm
Operation : Manual
Floor Height : 2.15 Meters
Base Size : 415 mm X 700 mm
Electric Motor (H.P) : 3 H.P.

