



TIRUPATI MACHINE TOOLS

Gat No. 769, Kudalwadi, Chikhali, Pune – 412114

Mob.: +919921641313, +919921671313, +919921691313, +919921711313 Email.: sales@tirupatimachines.com

Mechanical Power Press C Type

Mechanical Power Press C Type Power Press

Mechanical Power Press C Type brand mechanical Power Presses are coming in both C frame and Pillar type versions from 3 tons to 250 tons capacity in most economical type of construction with several standard/optional features such as manual/auto lubrication systems; knockouts electronics hand safety; single/double or un-gearred versions as also pneumatic feeders/ straightness and de-coilers for automation Purpose.

PHOTO:





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Steel body fixed, Inclinal type power press

- Frame:** The frame is of all steel construction, fabricated from Rolled steel plates with suitable cross ribbings. Presses upto 400T will be supplied with C.I. legs. proper alignment of the frame is ensured by machining.
- Clutch:** The clutch is of pin/rolling key-type. The clutch is rigid and well supported. The clutch gives continuous strokes for mass production.
- Crank Shaft:** Crankshaft is made of special alloy steel machined to close accuracy and fitted in bronze bushes for smooth working, longer life & accuracy.
- Flywheel:** Properly sized fly wheel, is made of high grade cast iron, for storing and releasing adequate energy for the pressing operations, and properly balanced for smooth running.
- Gears:** Gears are of steel cast or fabricated. Gear teeth are generated by precision hobbing machine.
- Table & Ram:** Table and ram are made of high grade heavy duty cast iron & properly seasoned. They are perfectly aligned, to each other to obtain high accuracy & precision press operation.
- Lubrication:** An efficient shot lubrication system has been provided for lubricating the sliding surfaces and moving parts. The lubricant is applied by hand pump.
- Mechanism:** Inclinal type presses are provided with inclining mechanism which can be easily set and locked in
- Position by spanners within minutes. The press is so designed that even in maximum inclined position, it is stable under heavy pressing load.

Standard Accessories

1. Motor pulley



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2. Clutch key
3. Clutch key springs
4. Slide adj. spanner
5. Fly wheel & gear guard
6. Oil cups for lubrication point
7. Knock-out system
8. Inclination arrangement in 50 ton & above machine.

Optional Accessories

1. Tow hand operated clutch
2. Single / continuous stroke
3. Lubrication pump automatic
4. Electrical
5. Tie – rod
6. Tommy bar
7. Extra base plate
8. Inclination arrangement

HI-TECH



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TECHNICAL

SPECIFICATION:

| Description | 10 Ton | 20 Ton | 30 Ton | 50 Ton |
|-----------------------------|-----------|-----------|-----------|-----------|
| Crankshaft Diameter | 57 | 70 | 83 | 102 |
| Adjustment of stroke | 6-60 | 11-75 | 13-83 | 102 |
| Adjustment in Ram | 25 | 32 | 50 | 50 |
| Hole in Bed | 75 | 89 | 102 | 114 |
| Length and Width of Bed | 270 x 400 | 305 x 508 | 365 x 610 | 430 x 690 |
| Thickness of Bed | 50 | 63 | 75 | 75 |
| Stroke per Minute | 60 | 50 | 45 | 35 |
| Motor Power (HP) | 1.5 | 2 | 3 | 5 |
| Weight Approx. | 700 | 1300 | 1600 | 2650 |
| Distance Between Bed to Ram | 228 | 300 | 355 | 400 |
| Punch Hole in Ram | 25.4 | 31.75 | 38.1 | 50.8 |

Tirupati Machine Tools

JD MANKOO

SPECIFICATIONS FOR C FRAME POWER PRESS : JD MANKOO

| | | | | | | |
|----------------|----|----|----|-----|-----|-----|
| Specifications | 30 | 50 | 75 | 100 | 150 | 200 |
|----------------|----|----|----|-----|-----|-----|



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| | | | | | | |
|--------------------------|--------|--------|----------|---------|---------|---------|
| Crank Shaft Dia | 102 | 110 | 140 | 153 | 178 | 190 |
| Stroke | 76 | 100 | 112 | 125 | 150 | 175 |
| Bed to Ram Distance | 325 | 432 | 482 | 600 | 650 | 700 |
| Bed Width | 382 | 530 | 610 | 675 | 760 | 800 |
| Bed Length | 560 | 752 | 782 | 1020 | 1100 | 1200 |
| Fly Wheel Dia | 660 | 830 | 910 | 890 | 1210 | 1250 |
| Gear Dia | 561 | 660 | 780 | 865 | 1010 | 1050 |
| Motor HP (RPM required) | 3/1440 | 5/1440 | 7.5/1440 | 10/1440 | 15/1440 | 20/1440 |
| No. of Stroke Per Minute | 50 | 40 | 40 | 40 | 30 | 27 |
| Approx Weight | 2000 | 2800 | 4000 | 5500 | 7000 | 9000 |

