

**Product Name :**  
Astra Scientific Power Press Machine

**Product Code :**  
CNCWORK0015



**Description :**

Astra Scientific Power Press Machine

**Technical Specification :**

**Frame**

The frame is of all steel construction, fabricated from rolled steel plates with suitable cross ribbings. Presses up to 30T will be supplied with C.I. legs. Proper alignment of the frame is ensured by machining. The structure is designed for perfectly balanced distribution of stress over the cross section eliminating deflection & vibration, in result increased tool & machine life.

**Clutch**

Clutches of pin/rolling key-type and well supported with high rigidity. The Clutch is made of special alloy steel, the pin / rolling key is manufactured from W.P.S. / EN24 material & with proper heat treatment to ensure trouble free long life & give continues stroke for mass production.

**Crank Shaft**

The Crank shaft is made of special alloy steel with precisely machined

to grind finish having closed accuracy and fitted in bronze bushes for smooth working, longer life with consistent performance.

#### Adjustable Stroke

The unique feature of adjustable stroke enables the press to perform all kinds of operations by employing short stroke for blanking and forming operation.

#### Flywheel

Properly sized flywheel is made of high grade cast iron, for storing and releasing adequate energy for the pressing operation, and properly balanced for smooth running.

#### Gears

Gears are of steel cast or fabricated. Gear teeth are generated by precision hobbing machine.

Capacity in Tons (mm)	5	10	20	30	40	50
Crankshaft Diameter (mm)	70	88	115	130	135	140
Adjustment of Stroke (mm)	38	50	63	76	76	89
Adjustment of Ram (mm)	25	25	25	25	25	25
Punch Hole in Ram (mm)	25	25	32	38	38	45
Hole in Bed (mm)	63	76	82	89	95	101
Bed Size (Length x Width) (mm)	355x178	432x228	534 x 305	585 x 355	635 x 355	685 x 406
Bed Thickness (mm)	50	58	63	70	76	83
Dist. between bed to Ram (mm)	177	204	250	292	320	350
Flywheel Dia. (mm)	406	458	482	533	584	660
Strokes per minute (mm)	80	70	45	40	35	35
H.P. Required For Geared(1440 RPM)	1	1.5	2	3	4	5
For Ungeared(960 RPM)	1	2	3	5	—	—
Floor To Top of Bed (mm)	700	830	830	880	1000	1000

## Astra Scientific

www.astrascientific.com, **Email:** info@astrascientific.com

**Address:** K-88, 20th Street, Annanagar, Chennai, India – 600040 **Phone:** +91-8860605265

