

Single Rotary Tablet Press (Lab Press-2) (SLP-II)



Lab Press LP- II is a High Tech Rotary Tablet Press in table-top design for R & D and small batch production. This Single sided R & D Tablet Press fully conforms to GMP and the safety requirements. All Electrical settings can be performed by Front panel with indicators at the front of the machine. The machine is equipped with pre pressing and main pressing systems. The compression force can be adjusted up to 6 tons.

A rotary force feeder with adjustable speed as well as a pre-compression station using rollers (2 tons) are included as standard. The turret is driven by center shaft drive mechanism by a motor and Powerful Reduction gear box. The turret speed is adjusted by A.C. (inverter) frequency drive.

Features

- The speed of the turret is adjustable through AC variable drive.
- Force Feeder.
- Pre Compression.
- Excellent accessibility for quick cleaning and product conversion.
- Center pillar drive Mechanism with powerful Gear Box.
- Design ensuring the highest standard of G.M.P.
- Operator Safety – Interlocking on Upper & Lower Guard.
- Turret Electrode less Nichol Plated (ELNP).
- Lower punch seals.
- Hard heat-treated Presser Rollers.
- Out side controls for Pre compression Adjustment, Tablet thickness adjustment and indicator for Tablet thickness control system.
- Excellent accessibility for quick cleaning and product conversion.
- Low noise level.
- Easy movability.
- Electrical voltage & frequency can be provided as per customers requirements.

- Table trolley stainless steel with storage cabinet for dies & punches.

Technical Specifications

MODEL	'B', 'BB' & 'D' TOOLING	'D' TOOLING	'B' TOOLING
No. Of Station	4+4+4=12	8	10
Tooling	4B/4BB/4D TOOLING	'D' TOOLING	'B' TOOLING
Max. Operating Load (Tons)	60 kN / 6 Tons	60 kN / 6 Tons	60 kN / 6 Tons
Pre Compression Load (Tons)	20 kN / 2 Ton	20 kN / 2 Ton	20 kN / 2 Ton
Turret Speed (RPM)	3 to 38	3 to 38	3 to 38
Force Feeder RPM	5 to 70	5 to 70	5 to 70
Output Tablets/ Hour * Min.	1200	2400	3000
Output Tablets/ Hour * Max.	9000	18200	22800
Max. Tablets Dia. (MM)	19 For "D" Tooling	19	16
	16 For "B" Tooling		
	11 For "BB" Tooling		
Max. Depth Of Fill (MM)	20	20	18
Hopper Capacity	3 Kg.	3 Kg.	3 Kg.
Upper Punch Penetration (MM)	2 to 6 mm	2 to 6 mm	2 to 6 mm
Main Electric Motor	2 HP, 3 Phase	2 HP, 3 Phase	2 HP, 3 Phase
(Driven Through ACVF)			
Gear Motor for Feeder	0.25 HP, 1/3 Phase	0.25 HP, 1/3 Phase	0.25 HP, 1/3 Phase
(Driven through ACVF)			
Electric Supply	415 V, 3 Ph, 50 Hz	415 V, 3 Ph, 50 Hz	415 V, 3 Ph, 50 Hz
	220/480 V, 3 Ph, 60 Hz	220/480 V, 3 Ph, 60 Hz	220/480 V, 3 Ph, 60 Hz