

Single Rotary Tablet Press LP II Touch Screen



Lab Press LP- II PLC based 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. The drive is provided by an inbuilt three-phase motor with A.C Frequency Drive (inverter). The cleaning easy to dismantle and operator safety are given to attention in the machine design.

PLC Parameters on Touch Screen.

This provides a state-of-the-art Control System.

Following functions will be performed by PLC system:

- Start – Stop – Jog & Speed Controls of Turret.
- Start – Stop – Speed Controls of Feeder.
- Guards By pass control
- Design ensuring the highest standard of cGMP.
- Turret Electrode less Nichol Plated (ENLP).
- Hard heat-treated Presser Rollers.
- Low noise level.
- Easy movability.
- Electrical voltage & frequency can be provided as per customers requirements.

Advantages:

- Standardize Operational Procedure
- Increase in Productivity, efficiency & reduce product loss.
- Precise Quality Control of the Process.
- Temper Proof data & User-friendly.
- Less Batch Setup Time & Minimize Maintenance Cost.
- Improve Quality of Products.

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)	5 to 38	5 to 38	5 to 38
Force Feeder RPM	12 to 75	12 to 75	12 to 75
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	17
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 (Driven through ACVF)	2 HP, 3 Phase	2 HP, 3 Phase	2 HP, 3 Phase
Gear Motor for Feeder (Driven through ACVF)	0.25 HP, 1/3 Phase	0.25 HP, 1/3 Phase	0.25 HP, 1/3 Phase
Electric Supply	Single Phase or 3 Phase	Single Phase or 3 Phase	Single Phase or 3 Phase