



High Speed Tablet Press-Tab Xpress-PTX



Tab Xpress-PTX Tablet Press Machine is used for production of simple and precise tablets from powder in Pharmaceutical and relevant Industries.

Prism Tab Xpress-PTX is a high speed single sided central drive Pre compression Rotary Tablet Press suitable for medium batch size production.

Tab Xpress-PTX designed in an effort to exceed the highest cGMP requirement and to ensure the most economical and efficient tablet production. The Tab Xpress-PTX features a unique ergonomic design for easy to operate, easy to fast changeover, easy to clean with minimum down time. The Tab Xpress Tablet Press is completely separated into three zones i.e. Tablet Compression zone, Machine service zone and Electrical controls zone. The Optional feature of Tab Xpress-PTX machine can provide with Touch Screen Operate Interface with PLC Controls, which is mounted in a separate electric controls cabinet.

TabXpress PTX Tablet Press is offered in four different models viz. Tooling 26 Stn "D" Type, 32 Stn "B" Type, 40 Stn "BB" Type.

The Machine Ergonomics Design Concept:

The Tab Xpress-PTX has been completely new designed according to the most modern ergonomic aspects.

- cGMP confirm.
- Machine's basic construction with separate compression zone and drive zone.
- Fast Cleaning and Changeover capability.
- Stainless Steel and Acrylic Glass Surrounding.
- Easy to Operate and Maintenance.

Salient Features:

- Design is cGMP - Current Good Manufacturing Practices compliance.
- All contact parts AISI 316 & non contact parts AISI 304.
- TabXpress- PTX is high speed single sided tablet press with central drive, pre compression and suitable for medium size batch production and offered in three model "D" , "B" & "BB" Tooling.
- Simple & Convenient Operation, Changeover, Cleanliness, Operator Protection & Ease to Maintenance.
- Single sided compression with higher output.
- Pre-Compression System to improve compressibility and tablet Quality.
- All parameters setting of tablet; like tablet thickness, weight adjustment, Pre-compression Pressure, Main Pressure are provided in front of the machine and outside the compression zone.
- Tablet parameters can be tuned during operations from outside the tableting zone
- Easy accessibility for quick cleaning and product changeover.
- Drive system completely enclosed and sealed off from the pressing zone.
- Turret Drive is Central Drive from Closed Gearbox, No Gearing on Turret.
- Electromagnetic Clutch for turret drive.
- A C Frequency variable drive for Turret Motor and Feeder Motor.
- Force feeder systems with bottom drive for uniform filling to weight consistency.
- 3 Pcs. Turret with S.S 316 Die Pot.
- Auto Lubrication system
- Upper Punch penetration & Lower Punch scraper seal.
- S.S. 304 closer at bottom drive zone and acrylic glass surrounding at compression zone.

Optional Features:

- PLC Controls with HMI Touch screen interface.
- Powder level sensor for hopper.
- Start and stop times Rejection and sampling device

Safety Features:

- Interlocked upper guard and Overload relay protection.
- Overload pressure release mechanism.
- Emergency stop button.

Technical Specification:

Model	TabXpress PTX-26	TabXpress PTX-32	TabXpress PTX-40
No. of Station	26	32	40
Type of Tooling	D	B	BB
Output - tablets per Hour	15600 to 109200	19200 to 134400	24000 to 168000
Max. Operating Pressure-Main	100 kN	80 kN	80 kN
Max. Operating Pressure- Pre-Press	18 kN	18 kN	18 kN
Max. Operating pressure	25 mm	16 mm	11 mm
Depth of Fill	20.5 mm	17.5 mm	17.5 mm
Upper punch penetration	3 to 6 mm	3 to 6 mm	3 to 6 mm
Total Power consumption	6.75 HP/5.06 kW	6.75 HP/5.06 kW	6.75 HP/5.06 kW