



## ***Tablet Press-TabXpress- II***



Prism TabXpress-II is a High Speed Double Sided Rotary Tablet Compression Press suitable for millennium batch size production.

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

TabXpress II Tablet Press is offered in four different models viz. Tooling 37 Stn "D" Type, 45 Stn "B" Type, 55 Stn "B" Type, 61 Stn "BB" Type.

### **The Machine Ergonomics Design Concept:**

TabXpress-II 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 Conforming to cGMP standards.
- All Contact parts in SS 316 and non contact parts in SS 304.
- TabXpress- II is high speed double sided tablet press with Internal gear drive, and suitable for large batch production and offered in three model "D", "B" & "BB" Tooling.
- Simple and Convenient Operation, Changeover, Cleanliness, Operator protection and Ease to Maintenance.
- All Controls like tablet thickness, weight adjustment, Pre-press adjustment are in front of the machine and outside the compression zone.
- Turret Drive from Closed Gearbox through Internal Helical Gearing with continuous Lubrication.
- Force Feeder for Powder Feeding with Bottom side drive.
- Electro Magnetic Clutch Drive for Safety, Ease and Maintains Free operation.
- A C Frequency variable drive for Turret Motor and Feeder Motor.
- Fast changeover and Easy cleaning designed with Easy removal Weight adjustment sector.
- Upper guard with Hydraulic Cylinder and Lower guard From S.S. 304 fitted Limit switch.
- Turret made from Special graded casting and option for 3pc.turret with S.S.316 Diepot.
- Hydraulic Power Pack for Pressure Loading & Overloading release.
- Auto Lubrication System for Turret gearing and fulcrum pins.
- Paint free Tablet Compression zone.
- Dust suction nozzle for Controlling Dusting.
- Closed Dust free Front Electric Control Panel easy Removal type.

## Optional Features:

- PLC Controls with HMI Touch screen interface.
- Powder level sensor for hopper.
- During Initial Start and Stop Rejection system and sampling device.

## Safety Features:

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

## Technical Specification:

Model	TabXpress - II 37	TabXpress - II 45	TabXpress - II 55	TabXpress - II 61
No. of Station	37	45	55	61
Type of Tooling	D	B	BB	BB
Output-tablets per Hour	44400 to 222000	54000 to 324000	66000 to 396000	73200 to 439000
Max. Operating Pressure	10 Tons	6.5 Tons	6.5 Tons	6.5 Tons
Max. Tablet Diameter	25 mm	16 mm	11 mm	11 mm
Depth of Fill	20.5 mm	17.5 mm	17.5 mm	17.5 mm
Upper punch penetration	3 to 6 mm	3 to 6 mm	3 to 6 mm	3 to 6 mm
Total Power consumption	9.5 HP / 7 kW	9.5 HP / 7 kW	9.5 HP / 7 kW	9.5 HP / 7 kW

