



Tablet Press-TabXpress-IV



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

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

The TabXpress-IV Tablet Press is offered in four different models viz. Tooling 45 Stn "D" Type, 55 Stn "B" Type, 69 Stn "BB" Type, 75 Stn "BB" Type.

The Machine Ergonomics Design Concept:

The TabXpress-IV 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 and electric controls zone.
- Fast Cleaning and Changeover capability.
- Stainless Steel and Acrylic Glass Surrounding.
- Easy to Operate and Maintenance.

Salient Features:

- Design Conforming to cGMP standards.
- Contact parts SS 316 and non contact parts SS 304.
- TabXpress-IV is high speed double sided tablet press with internal gear drive, pre compression and suitable for medium size batch production and offered in three model "D" , "B" & "BB" Tooling
- Simple and Convenient Operation, Changeover, Cleanliness, Operator Protection and Easy to Maintenance.
- Pre-Compression System to improve tablet quality
- 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.
- Electro Magnetic Clutch Drive for Safety, Ease and Maintains Free operation.
- A C Frequency drive for Turret Motor and Feeder Motor.
- Force Feeder for Powder Feeding with Bottom side drive.
- 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:

- Gravity feeder System.
- Powder level sensor in hopper.
- During Start and Stop Rejection and Sampling device
- Advance PLC controls with Touch Screen interface.

Safety Features:

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

Technical Specification:

Model	TabXpress IV-45	TabXpress IV-55	TabXpress IV-69	TabXpress IV-75
No. of Station	45	55	69	75
Type of Tooling	D	B	BB	BB
Output-tablets per Hour	65000 to 325000	79000 to 396000	99000 to 497000	108000 to 540000
Max. Operating Pressure (Main)	100 KN	65 KN	65 KN	65 KN
Operating Pressure - Pre press	10 KN	10 KN	10 KN	10 KN
Max. Tablet Diameter	25 mm	16 mm	11.1 mm	11.1 mm
Depth of Fill	20 mm	17.4 mm	17.4 mm	17.4 mm
Upper punch penetration	3 to 6 mm	3 to 6 mm	3 to 6 mm	3 to 6 mm
Total Power consumption	12 HP / 9 kW	12 HP / 9 kW	12 HP / 9 kW	12 HP / 9 kW