

Rotary Tablet Press Machine FXT IV–series



Salient Features:

- In Compliance with cGMP Guidelines
- Turret of SG IRON 500/7 Graded Casting
- High Speed Tablet Press Machine (Double Side Rotary) with Pre-Compression Facility
- Maximum Output upto 540000 tablets per hour (for 75 Station)
- Easy Accessibility for Quick Cleaning and Product Conversion
- Improved Tablet Quality; Handles Difficult Products Easily due to Pre-Compression Facility
- Precise Weight Control
- Ensures Hygienic Production Conditions and Operator Safety
- All Tablet Parameters can be fine tuned during operations from outside the tableting zone
- Force Feeding System
- Hydraulic Power-Pack System
- Auto Lubrication system
- Upper punch penetration system
- Safety interlocking for upper guards
- Front and Easy Outside Controls for machine and tablet parameters
- Three Piece Turret with Stainless Steel 316 L die-plate

OPTIONAL FEATURES:

- Tablet Rejection on Machine Start up
- and Stop and random sampling device
- Powder Level Sensors at Feed Hopper
- Tight Punch Detection (Upper Punch)
- PLC-MMI Control system with Touch Screen display
- Gravity Feeding System
- Bi-layer tablet facility

- Tablet Sampling

FALCON Press IV is a high speed double sided rotary press for high output tablet production. The FALCON Press IV combines in one machine the sophistication, which today's tableting requirements demand together with well proven mechanical design and components. Major improvements in the areas of High speed, sound reduction, operator safety, cleanliness and clean ability, drive arrangement and operational convenience make the machine a wonder to operate. The machine is offered in four models viz. 45, 55, 61 and 75 stations, to give output up to 9000 tablets per minute.

The tableting zone of the machine is totally enclosed to minimize noise emission. Entire drive mechanism is contained within the lower cabinet, which is closed by vibration isolated, sound reducing guards. Anti-vibration mounts are fitted as standard.

Safe machine operation is of utmost importance. To ensure safety, all upper guards have been fitted with interlock switches. If a guard is open, while the machine is in operation, the machine will stop immediately. Lower guards are fitted with lockable handles.

Within the tableting zone there are no painted surfaces and the large cabinet combined with wide counterbalanced upper guards give excellent access to the area for cleaning purposes. Lower punch scraper seals prevent material passing through the lower punch guides into the cam tracks. (Lower punch scraper Seals are available). This results in reduced wear and extended tool life in addition to enabling the machine to run for longer periods between clean downs.

FALCON Press IV is fitted with rotary feeders specially designed for high speed operation. Exceptional tablet weight consistency and operational cleanliness are ensured. Feeders can be easily removed for cleaning between product changeover. Effective feeder leveling ensures that the feeder base can be easily set and maintained at the desired height. Resetting of the feeder base is not required even if the feeder is removed for cleaning.

TECHNICAL SPECIFICATIONS:

TYPE	FXT IV – 45 D	FXT IV – 55 B	FXT IV – 61 B	FXT IV – 75 BB
Number of Stations	45	55	61	75
Type of Tooling	D	B	B	BB
Output tablets / hours	65000	79000	87840	108000
Maximum 60 RPM	to 325000	to 396000	to 439200	to 540000
Max. operating pressure (main)	100 kN	65 kN	65 kN	65 kN
Max. operating pressure (pre-crompression)	10 kN	10 kN	10 kN	10 kN
Max. tablet diameter	23 mm	16 mm	16 mm	11.1 mm
Max. depth of fill	20 mm	17 mm	17 mm	17 mm
Upper punch penetration	1.5 to 8 mm	1.5 to 8 mm	1.5 to 8 mm	1.5 to 8 mm
Power (total)	8.75 kW / 11 hp	8.75 kW / 11 hp	8.75 kW / 11 hp	8.75 kW / 11 hp
Main electric motor	7.5 kW / 10 hp	7.5 kW / 10 hp	7.5 kW / 10 hp	7.5 kW / 10 hp
Force feeder motor (2 Nos.)	0.19 kW / 0.25 hp	0.19 kW / 0.25 hp	0.19 kW / 0.25 hp	0.19 kW / 0.25 hp
Overall dimensions (cm) (Guard Close)	167 x 178 x 209 H	167 x 178 x 209 H	167 x 178 x 209 H	167 x 178 x 209 H
Net weight	3750 kg	3750 kg	3750 kg	3750 kg
Grass Weight	4100 kg	4100 kg	4100 kg	4100 kg