

High Speed Tablet Press (“Accura” Model ATX-I)



ATX - I

High Speed Tablet Press – “ACCURA” MODEL ATX-I WITH 37 Stn. "D", 45 Stn. "B", 55 Stn. & 61 Stn. "BB"

- High-speed single rotary tablet press designed for higher tablet output.
- Equipped with a hydraulic power pack for pressure loading and overload release.
- Center shaft-driven turret through a heavy-duty reduction gearbox.
- Maximum Output: 168 000 Tablets per Hour.

Salient Features

- High Speed Tablet Press – “ACCURA” MODEL ATX-I WITH 37 Stn. "D", 45 Stn. "B", 55 Stn. & 61 Stn. "BB".
- It is a high speed single rotary tablet press for higher tablet output.
- The machine having Hydraulic Power pack for pressure loading and overload release.
- Machine is having center shaft driven turret through heavy duty reduction gear box.
- The machine is having Electromagnetic Clutch arrangements.
- The machine is having bottom driven force feeding system for material feeding.
- The machine is having one piece turret of special grade casting.
- However, three piece turret with SS-316L middle plate is also available (optionally).
- Electro less nickel plating can also be available to the turret. (optionally).
- Guards interlocked for safety, all upper guards of transparent acrylic material.
- Lower Guards of polished Stainless Steel SS 304.
- All the tablet parameters can be fine tuned during the operation of the machine from outside.

- The tableting zone, with front controls at outside of the machine, having SEIKO type dials. Machine is Three sides open with Acrylic upper Guards.
- Control panel is at backside of the machine & all controls are on tablet ejection side.
- The machine is having A.C. variable frequency drive for the main motor & for force feeding motors to synchronize machine's speed & feed both.

With Automation, CFC & AWC (Optionally)

- With Motorized dozer, for precise depth of fill adjustment.
- With load cell at Main Compression for Pressure measurement.
- With auto sampling based on, either time or revolution of punch no.
- With auto rejection of any single tablet out of prescribed compaction force limit.
- With SCADA with industrial PC. having 12" colour touch screen (21 CFR part 11 compliance).
- With graphical as well as numeric representation of each individual punch force.
- Auto tablet rejection & Random sampling during start & stop of the m/c. (Optionally).
- Servo motor mechanism for tablet thickness / depth of fill Auto dialing though PLC. (Optionally).
- PLC-HMI color touch screen (Optionally).

Technical Specifications

TYPE	Accura ATX-I-26	Accura ATX-I-32	Accura ATX-I-40
No. of Station	26	32	40
Type of Tooling	D	B	Bb
Output(Tablets/hr)*maximum / Minimum)	109 200 / 18 720	134 400 / 23 040	168 000 / 28 800
Max. Operating Pressure-main(kn)	100	65	65
Max. Operating Pressure- Pre Compression (kn)	10	10	10
Max. Tab. Diameter (mm)	25	16	11
Max. Depth of Fill(mm)	20	16	16
Upper Punch Penetration-main (mm)	.3 To 6		
Upper Punch Penetration-pre Compression (mm)	2 To 5.		
Total Power (kw/hp)	4.90/6.50		
Main Electric Motor(kw/hp)	5 Hp, 3 Phase, 1440 RPM, 415 V., 50 Hz		
Force Feeder Electric Motor (kw/hp)	0.19/0.25		
Power Pack Electric Motor (kw/hp)	0.75/1.00.		
Auto Lubrication			
Overall Dimensions(mm)	.1945 (l) X 1815(w) X 2035 (h		
Net weight (kg)	.1465.		
Case Dimensions (mm)	1390 (l) X 1710 (w) X 2130 (h)		
Gross Weight (kg)	1865.		