



ACT-V TABLET IN TABLET

SINGLE ROTARY TABLET PRESS
WITH MOTORISED MAIN COMPRESSION 10 TONS &
PRE COMPRESSION 3 TONS
26 STN. D Tooling, Maximum Output 40,560
WITH CFC & AWC

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Tab-in-tab

SALIENT FEATURES

- Single Rotary Tablet Press.
- Capable to Produce Single Layer Tablet, Bi-Layer Tablet, Tablet in Tablet (Single Layer), Tablet in Tablet (Bi-Layer)
- Compact & effective core tablet feeding system.
- Core feeding unit precisely synchronises with Turret.
- Horizontal core tablet feeding system.
- Sensor for core feeding tablets.
- No fill tablet rejection system.
- Auto rejection, of any single tablet, out of prescribed compaction force limit based on CFC with Auto weight control facility
- Specially designed heavy C.I. Structure.
- Heavy Duty oil Immersed Gear Box for Turret drive.
- AC VFD with Electromagnetic Clutch.
- Directly Driven Turret having middle plate of SS-316 & ELNP on SGI Portion.
- Motorized Main Compression of 10 Tons (100 kN) & Pre-Compression of 3 Tons (30 kN)
- Motorized Dozzer, for precise Depth of Fill adjustment.
- Motorized force feeder with Zero Clearance, with Three Paddle design.
- Vibration free and easy to operate.
- Main & Pre Upper Punch Penetration.
- Load cell at both Main & Pre Compression.
- Industrial PC/ HMI, having 15" Color Touch Screen.
- Machine is Four Sided open with Upper Guards, Control Panel is Separate.
- With interlock switches to all upper guards.
- All major control (Main Compression, Pre Compression, Dozzer, RPM etc) through Industrial PC
- Auto Sampling based on, either time or revolution or punch nos.
- Initial Start up & Stop Rejection.
- Graphical appearance of the value of pressure on individual punch at pre and main pressure.
- Recipe management & 'n' No. of recipe storage.
- Audit trail reports, and pen drive connectivity with printing facility.

SELECTION OF POWER SUPPLY OUT OF (a) (b) (c), POINTS SHOULD BE MENTION CLEARLY AT THE TIME OF PREPARING PURCHASE ORDER.

- Pre-pressure and Main pressure could be changed depending on the size of the compress and filling depth, powder or granulation. It is dependent on the physical specification of the used material for the compress.
- The above specification is the subject to change without prior notice for the technical development.

1) COMPACT & EFFECTIVE CORE TABLET FEEDING SYSTEM.

- Core Tablet are fed from a vibratory hopper on to a tablet slide.
- Guide the tablets into a horizontal linear feeder for tablet feeding with guide tablet.
- Guides the tablet into the tablet insert chute.
- Positions tablets on the vibrating hopper LH side.
- Uses centrifugal force to help hold the core in position.

2) CORE FEEDING UNIT PRECISELY SYNCHRONIZES WITH TURRET.

- Precious height setting of core feeding unit.
- Precious synchronises ratio according to turret RPM.
- Removable core feeding disk according to core tablet size.
- Sensor for core feeding tablet.

3) HORIZONTAL CORE TABLET FEEDING SYSTEM.

- Adjustment at linear free range from Ø5 mm to Ø8mm tablet size .

4) NO FILL TABLET REJECTION SYSTEM

- High Quality sensors for defect tablet in feeding disk.
- Final tablet automatic reject, In case of core tablet not feed in feeding disk.
- Final tablet automatic reject, In case of core tablet not feed in turret die table hole.



TECHNICAL SPECIFICATIONS

| TYPE | ACT-V TABLET IN TABLET 26 |
|--|---------------------------------------|
| Number of Station | 26 |
| Type of tooling (As Per Eu1) | D |
| Max. Operating Main pressure (kN) | 100 |
| Max. Operating Pre. Pressure-Tamp.(kN) | 30 |
| Max. Tablet diameter (mm) | 18 |
| Max. Filling depth (mm) | 18 |
| Max. Tablet thickness (mm) | 8.5 |
| Core tablet size | Max diameter (mm) 8 |
| | Max thickness (mm) 5 |
| Max. Turret RPM | 26 |
| Max. production capacity (tablet/hour) | 40,560 |
| Upper punch entry Main (mm) | 1 to 6 |
| Upper punch entry Pre-Compression (mm) | 1 to 8 |
| Power-Total (kW/hp) | 14.51kW / 19.71hp |
| Main Ele. Motor (kW/hp) | 11kW /15hp, x 1440 RPM |
| Main Press Roll Servo Motor (kW/hp) | 750 W x 3000 RPM |
| Pre-Press Roll Servo Motor (kW/hp) | 750 W x 3000 RPM |
| Weight Adj. Servo Motor (kW/hp) | 750 W x 3000 RPM x 2 Nos. |
| Feeder Ele. Motor (kW/hp) | 0.37/0.50 x 1365 RPM x 2 Nos. |
| | = 0.74 / 1.0 kW/hp |
| Hopper Capacity | 17 Litter |
| Overall dimensions close guard-cm | 165 L x 142 W x 206 H |
| Overall dimension Open guard -cm | 306 L x 306 W x 206 H |
| Case dimensions (cm) | |
| Net weight (kg) | Approx 3700 Kg |
| Gross weight(kg) | Approx 4000 Kg |
| Utilities | 1)Suction Air :- 300 CFM |
| | 2)Compressed Air :- 7Kg/Sq.cm (7 Bar) |
| | 3)Power Supply :- |
| | (a) 415 V, 3 Phase, 50 Hz |
| | (b) 480 V, 3 Phase, 60 Hz |
| | (c) 220 V, 3 Phase, 60 Hz |