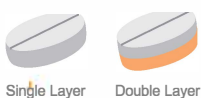




ACT-V | HIGH SPEED DOUBLE ROTARY TABLET PRESS

WITH MOTORIZED MAIN COMPRESSION 10 TONS
29 Stn. 'D' Tooling/ 37 Stn. 'B' Tooling/ 47 Stn. 'BB' Tooling
WITH INTERCHANGEABLE TURRET
AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL
AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL



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SALIENT FEATURES

- DOUBLE ROTARY TABLET PRESS WITH INTERCHANGEABLE TURRET.
- In compliance with cGMP & having center shaft driven turret thru heavy duty oil immersed reduction gear box.
- Motorized main compression of 10 Tons. (100 KN)
- Motorized dozer, for precise depth of fill adjustment.
- Three paddle Zero Clearance Force feeder.
- Motorized Force Feeder Having Zero Clearance Feeder Frame.
- Load cell at Main Compression for Pressure measurement.
- Load cell for lower punch tight detection.
- CFC & Auto weight control (AWC).
- Auto sampling based on, either time or revolution or Punch no.
- Auto rejection, of any single tablet, out of prescribed compaction force limit.
- SCADA with industrial PC. having 19" colour touch Screen (21 CFR part 11 compliance.)
- Machine is Four sides open with Acrylic upper Guards.
- With Interlock alarm to all upper Guards.
- Lower guards of polished stainless steel.
- Initial Start Up & Stop Rejection.
- Recipe management & 'n' No of Recipe Storage.
- Audit Trail Reports. And Pen drive connectivity with Printing Facility.
- Graphical appearance of the value of Pressure on Individual Punch at main pressure.
- AC Variable Drive & Electro magnetic clutch.
- Sliding Type Main upper pressure roll assembly, & with upper punch penetration.
- Sturdy Structure design. Vibration free and easy to operate at 60 RPM.
- Easy Turret Interchange facility & Very less Turret change over time.
- Turret Lifting by External Hydraulic Trolley.
- Turret Resting on separate Trolley.
- Reduces the product change over time.
- 2 Layer (Bi-Layer) attachment (Optional).
- Additional turret assembly. (Inter changeable turret) (Optional).
- Upper punch stiffness measuring (Optional).
- Ejection force measuring (Optional).
- Calibration control (Loadcell / Servo motors) (Optional).
- Server integration option available.



Benefits Of SCADA :

- 1) Report Generation in PDF
- 2) Use of unlimited storage of recipes
- 3) Connectivity to any type of Printer.
- 4) Graphical system representation
- 5) Real time trending
- 6) Alarm History.
- 7) Audit trail
- 8) Advanced security Level



Single Layer

Double Layer

TURRET INTERCHANGE

Looking to the increasing demand from pharma Industries, for this type of mechanism, Fluidpack's ACCURA ACT-V double rotary Tableting Machine is manufactured / Crafted with great precision and with easy & specially designed turret lifting & lowering device, It can be operated through the hydraulic device. Turret is lifted up & down, from the top of it, by connecting it with a cantilevered, lifting linier mechanism. Turret, then after, can be unloaded on specially designed trolley. Another Turret can be immediately replaced by this mechanism on the machine with a very small time segment.



Operating Peripheral

- Auto weight control available through Compaction force.
- 21 CFR part 11 Compliance.
- Multi users password and user authorization.
- Individual users access rights.
- Encoder for counting all the parameters.
- Individual tablet rejection (beyond weight) through compaction force.
- “*accura*” mode for minimize weight variation at higher speed.
- 19” touch screen IPC for operating system.
- Feeder synchronization.
- Initial tablet rejection during start / stops.
- Production Mode / Set up mode.
- Manual Run/Jog Run / Auto Run.
- Pre compression punch force. (Individual station)
- Main Compression punch force. (Individual station)
- Auto Sampling Mode.
- Based on Time/Punches or No. of tablets.
- Auto Lubrication.
- Recipe creation/download/Edit option.
- Various type of prints reports.
- Audit reports and history.
- Individual punch force details.
- Auto printing option.
- Operating SOP, Cleaning Procedure.
- Maintenance Guide, Electrical Drawing & Pneumatic.
- Drawing Available in IPC as a PDF Form.

Safety features

- Emergency Stops switch.
- Motors overload precaution.
- AC VFD overload precaution.
- Servo motors movement notification.
- Servo motors safety precaution.
- Fill cam identification.
- Tablet Rejection control alarm.
- High Tablet rejection notification.
- Guards interlock.
- Lubrication oil level identification
- Low powder level
- Encoder position disturb alarm.
- Individual compaction force higher alarm.
- Hand wheel guard notification.
- Other interlock as per 21 CFR part 11 Compliance.



TECHNICAL SPECIFICATIONS

TYPE	ACT-V-29	ACT-V-37	ACT-V-47
Number of Station	29	37	47
Type of tooling (As Per EU1)	D	B	BB
Output-tablets/hour (Min / Max.)(Single Layer)	34,800 / 2,08,800	44,400 / 2,66,400	56,400 / 3,38,400
OutputTablets/hour (Min / Max.)(Bi-Layer)	17,400 / 52,200	22,200 / 66,600	28,200 / 84,600
Turret RPM (Min. / Max.)(Single Layer)	10/60		
Turret RPM (Min. / Max.)(Bi-Layer)	10/30		
Max. operating pressure-Main (kN)	100		
Max. Tablet Diameter (mm)	25	16	11
Max. Tablet Thickness (mm)	8.5		
Depth of fill (mm)(With Three Different Lower Track)	(1) 3 - 10 (2) 8.5 - 14 (3) 12.5 - 18 (4) 6mm (Bi-Layer)		
Upper punch entry Main (mm)	1 to 8		
Main Electric motor (kw/hp)	11 kw /15hp, x 1440 RPM		
Main Press Roll Servo Motor (kw/hp)	0.75/1.0x 3000 RPM x 2 Nos. = 1.5 / 2.0 kw/hp		
Weight Adj. Servo Motor (kw/hp)	0.75/1.0x 3000 RPM x 2 Nos. = 1.5 / 2.0 kw/hp		
Feeder Electric Motor (kw/hp)	0.37/0.50 x 1365 RPM x 2 Nos. = 0.74 / 1.0 kw/hp		
Auto Lubrication Pump Electric Motor (kw/hp)	0.12 / 0.16 x 1440 RPM.		
Hopper Capacity	14 Litter		
Overall dimensions close guard-cm	155 W x 165 L x 202 H		
Overall dimension Open guard -cm	307 W x 307 L x 202 H		
Case dimensions - cm	190 W x 200 W x 220 H		
Net weight (kg)	3700 kg.		
Gross weight (kg)	4200 kg.		
Utilities :	1) Suction Air :- 300 CFM (Qty. - 01 for Single Layer) :- 300 CFM (Qty.- 02 for Bi Layer) 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 4) Power-Total (kw/hp) :- 14.86kW / 20.16 hp		

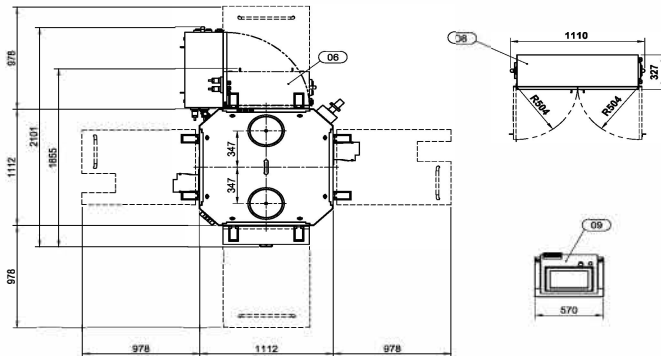
* Depending upon material characteristic & available room atmosphere only.

NOTE : DUE TO CONTINUOUS IMPROVEMENTS IN THE MACHINERIES, SPECIFICATION OF THE MACHINERIES IS SUBJECT TO CHANGE WITHOUT ANY PRIOR NOTICE.

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.

It is Recommended not to use large depth of fill, minimum tablet thickness and maximum compression pressure for maximum performance consistently. Technical rights to change catalogues, specifications and features are reserved with the manufacturer. Actual output may vary against indicated output on the product under compression and RPM on lower side.



GENERAL ARRANGEMENT OF ACCURA ACT-V

