



https://future-beacon.co









31 STN "D" TOOLING / 37 STN "B" TOOLING / 45 STN "BB" TOOLING WITH PRE COMPRESSION OF 10 TONS. & MAIN COMPRESSION OF 10 TONS. WITH INTERCHANGEABLE TURRET

AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL
AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL
SUITABLE & SPECIALLY DESIGN FOR EFFERVESCENT PRODUCT

SALIENT FEATURES

- Single Rotary Tablet Presses with interchangeable turret.
- In compliance with cGMP.
- Motorized Pre compression of 10 Tons. (100 KN)
- Motorized Main compression of 10 Tons. (100 KN)
- Motorized Dozzer, for precise depth of fill adjustment.
- Industrial PC, having 15" colour touch screen.
- Load cell at Pre-Compression & Main-Compression.
- Four sides open with upper & lover Guards.
- For controlling RPM AC Variable Drive
- Three paddle Zero Clearance Force feeder.
- Vibration free and easy to operate at 75 RPM.
- Sliding type Pre & Main upper pressure roll assembly.
- Sampling & startup rejection.
- Sturdy Structure design with four column.
- Auto weight through compaction force control
- Auto tablet rejection through compaction force control
- Upper punch penetration at Pre & Main.
- Conformity of 21CFR part11 Compliance.
- Suitable & Specially design for effervescent Product.

Software part of F-4000

- Auto weight control available through Compaction force.
- System is 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.
- 15" 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.
- Server integration option available.



Safety features of F-4000

- Emergency Stops alarm.
- 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.



Benefits of SCADA:

- 1). Report Generation in PDF
- Use of unlimited storage of PC (Particularly) 'n' number 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







AWC - (Automatic Weight Controller) (an accura advantage)

FUTURE BEACON https://future-beacon.co

- The range of AWC is divided such as control, reject and data store.
- Graphical appearance of the value of pre & main pressure.
- Display of figure and graph both for the value of pressure on each individual punch.
- Indication / Display, of any no. of the selected punch & the respective value of pressure applied on it.
- Filling depth can be adjusted, if the amount of filled powder is exceeded or shortened beyond preset value.
- The faulty tablet will be rejected automatically.
- All data like production, rejection samples taken. Batch time segment etc. is recorded.
- Discharge chute with three compartments like reject, good & sampling gate.







31 STN "D" TOOLING / 37 STN "B" TOOLING / 45 STN "BB" TOOLING WITH PRE COMPRESSION OF 10 TONS. & MAIN COMPRESSION OF 10 TONS. WITH **INTERCHANGEABLE TURRET**

AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL SUITABLE & SPECIALLY DESIGN FOR EFFERVESCENT PRODUCT

PRODUCT SPECIFICATIONS				
TYPE	F-4000-31	F-4000-37	F-4000-45	
Number of Station	31	37	45	
Type of tooling (As per EU1)	D	В	BB	
Output-tablets/hour (Min/Max.)	18,600 / 1,39,500	22,200 / 1,66,500	27,000 / 2,02,500	
Turret RPM (Min./Max)	10/75			
Max. operating pressure-Main (kN)	100			
Max. Operating Pre. Pressure-Tamp. (kN)	100			
Max. Tablet Diameter (mm)	25	16	11	
Max. Tablet Thickness (mm)	8.5			
Depth of fill (mm)(With Three Different Lower Track)	3 - 10 / 8.5 - 14 / 12.5 - 18			
Upper Punch entry Main (mm)	1 To 6			
Upper punch entry Pre-compression (mm)	1 To 6			
Main Electric Motor (kW/hp)	11.25 / 15 x 1440 RPM			
Main Press Roll Servo Motor (kW/hp)	0.75 / 1.0 x 3000 RPM			
Pre. Press Roll Servo Motor (kW/hp)	0.75 / 1.0 x 3000 RPM			
Weight Adj. Servo Motor (kW/hp)	0.75 / 1.0 x 3000 RPM			
Feeder Electric Motor (kW/hp)	0.37 / 0.50 x 1365 RPM			
Auto Lubrication Pump Electric Motor (kW/hp)	0.12 / 0.16 x 1440 RPM.			
Hopper Capacity	10 Litres			
Overall dimensions (Close guard) cm	141 W x 146 L x 211 H			
Overall dimensions (Open guard) cm	234 W x 281 L x 204 H			
Case dimensions - cm		250 W x 250 L x 211 H		
Net weight (kg)	Approx. 3000			
Gross weight(kg)	Approx. 3500			
Utilities :	1) Suction Air :-	300 CFM		
	2) Compressed Air :-	7 Kg/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) :-	13.99kW/18.66hp		

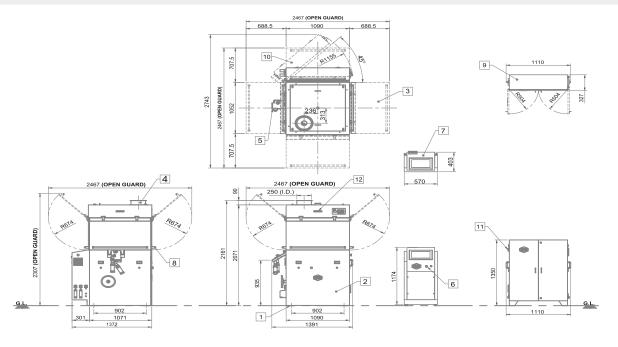
* Depending upon material characteristic & available room atmosphere only.

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

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.







Address: Queen Rania St 337, Amman

Phone: +962(78)9990990

Email: info@futurebeacon.co

Website: https://future-beacon.co