

TECHNICAL SPECIFICATION

Model	EP-200			
Number of Station	8/12	10	12	5+5/7+7
Type of Tooling - EURO/IPT	D	B	BB	D+B
Output - Tablets Per Hour	14,400/21,600	18,000	21,600	9,000/12,600
Turret RPM (Min./Max.)	5 to 30			
Tablet Diameter (mm) in Single tip	5 to 24	5 to 16	5 to 13	5 to 24/5 to 16
Fill Depth (Min./Max.) (mm)	2 to 20	2 to 17	2 to 17	2 to 20/2 to 17
Tablet Thickness (Min./Max.) (mm)	1 to 8 (Band Thickness)			
Upper Punch Penetration (Pre) (mm)	Standard Model Fixed 4.0mm	Force Measurement Model 2 to 6 Variable	AWC Model 2 to 6 Variable	
Upper Punch Penetration (Main) (mm)	Standard Model 2 to 6 Variable	Force Measurement Model 2 to 6 Variable	AWC Model 2 to 6 Variable	
Pre Compression Force	Standard Model (Mechanical) 50kN/5tons	Force Measurement (Load Cell) 50kN/5tons	AWC Model (Load Cell) 50kN/5tons	
Main Compression Force	Standard Model (Mechanical) 50kN/5tons	Force Measurement (Load Cell) 50kN/5tons	AWC Model (Load Cell) 50kN/5tons	
Feeder Type (1st & 2nd Layer)	Force Feeder & Gravity Feeder			
Main Motor	3.0HP/2.2kW			
Force Feeder Motor	0.25HP/0.18kW or 90W			
Main Machine Dimension (mm) (Open Door + Hopper)	Standard Model W 1200 x D 1300 x H 1362	Force Measurement Model W 1200 x D 1300 x H 1362	AWC Model W 1200 x D 1300 x H 1965	
Machine Net Weight (Kg)	730			

* Machine output mentioned are rated outputs and can vary depending on the product characteristics, Tablet dimensions/shape/size, depth of fill, ambient conditions, operator skill and machine maintenance



Eliza-Press



EP-200
SINGLE ROTARY
TABLET PRESS



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GENERAL SPECIFICATION

- ❑ Compact, Heavy duty & sturdy construction
- ❑ Ideally suited for R&D plants, Pilot scale production, Pharmacy collages, High value low volume products, Non Pharma application.
- ❑ Fully cGMP compliant Tablet Press in terms of Design, Metallurgy, Easy Accessibility etc.
- ❑ Direct drive to the Turret.
- ❑ High torque motor ensure smooth functioning high compression force.
- ❑ Pull down cam for reduced dust generation during upper punch entry.
- ❑ Tool-Less Hopper Stainless Steel Fitment with tri-cover joint with Powder Control Valve.
- ❑ Tool Safety Overload mechanism prevents damage to tooling during production of tablets.
- ❑ Equal sized Pre & main Compression Rollers of 5tons/50kN capacity each. Increases the dwell time for better compression.
- ❑ Split type Cam Tracks for easy maintenance & change over.
- ❑ Double paddle Force Feeder design for optimum powder filling.
- ❑ Turret with lower seal & keyway in upper punch bore for shaped punches.



SALIENT FEATURES - EP-200 Force Measurement

- ⦿ Tablet parameter control though sieko dial mounted at control knobs on the Left Hand Side of the Machine.
- ⦿ 5.7" Touch screen as Operating Interface.
- ⦿ Force display for each Punch during each rotation.
- ⦿ Recording of compression force though an external USB Port.
- ⦿ Load Cell for Pre compression force, Main compression force and Ejection force measurement display.
- ⦿ **The integrated control panel includes:**
 - Mode Selector Switch for SETUP/OFF/RUN
 - START/STOP Push Button
 - Emergency Stop



SALIENT FEATURES - EP-200

- ⦿ Tablet parameter control though sieko dial mounted at control knobs on the Left Hand Side of the Machine.
- ⦿ Equal sized Pre & Main Compression rollers of 50kn/5tons rated capacity each.
- ⦿ Main Motor & Feeder Motor control through AC Variable Frequency Drive.
- ⦿ Ejection Force Measurement with Load cell.
- ⦿ **The integrated control panel includes:**
 - Touch Screen HMI
 - Mode Selector Switch for SETUP/OFF/RUN
 - START/STOP Push Button
 - Emergency Stop

SALIENT FEATURES - EP-200AWC

- ⦿ Encoder for precise tracking of Punch position.
- ⦿ Weight control Dozer powered and controlled by Servo Motor.
- ⦿ Pre thickness & Main thickness pressure roll powdered and controlled by Servo Motor.
- ⦿ Load Cell for Pre compression force, Main compression force and Ejection force measurement display.
- ⦿ 15" Panel PC 2.5ghz-320gb HDD for Operating machine.
- ⦿ AFR feature to reject defective tablet by compression force measurement.
- ⦿ Integration of Tablet tester **(Optional)**

