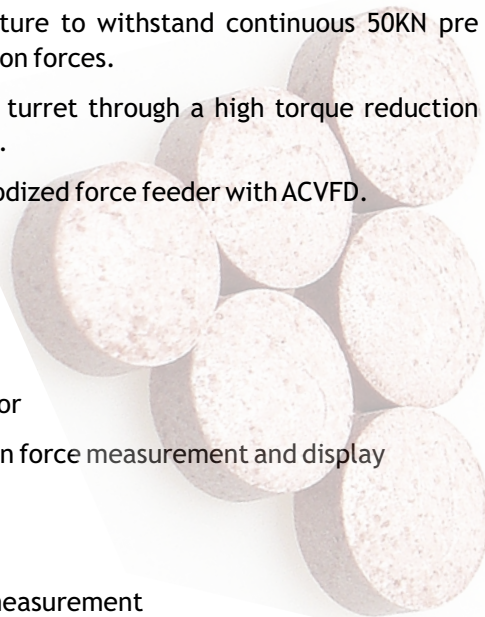




Salient Features

- » Ideally suited for R & D plants, Pilot scale tablet compression, High value low volume products, Non Pharma applications, Pharmacy colleges.
- » Fully cGMP compliant Tablet Press in terms of Metallurgy, Surface treatment, Design (No sharp corners etc.), Easy accessibility for cleaning, assembling and dismantling of components, Control system
- » Machine base is totally enclosed with removable covers for access to motors & drives inside
- » Precision machined turret with double thrust bearing with lower punch seal & keyway in upper punch bore for shaped punches. Turret made of SGI Casting ASTM A536 (GGG 40) with Electroless Nickel Plating
- » Sturdy frame structure to withstand continuous 50KN pre and main compression forces.
- » Direct drive to the turret through a high torque reduction gear box and ACVFD.
- » Aluminium Hard anodized force feeder with ACVFD.
- » Pull down cam for dust free compression during upper punch entry.
- » Pressure rolls are ELNP and mounted on pre greased sealed bearings
- » Weight control dozer powered and controlled by Servo motor
- » Pre thickness & Main thickness roll powered and controlled by Servo motor
- » Load cell for pre compression force, main compression force and ejection force measurement and display
- » High speed processor for data acquisition and analysis
- » HMI Panel PC for Operating the machine
- » Optional AFR feature to reject defective tablet by compression force measurement
- » Optional integration of Tablet tester

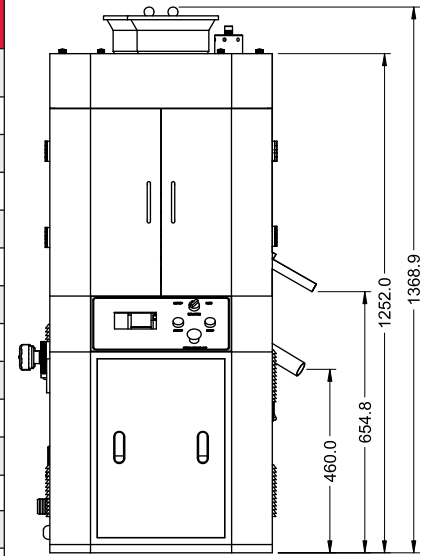


Automatic Weight Control system (AWC)

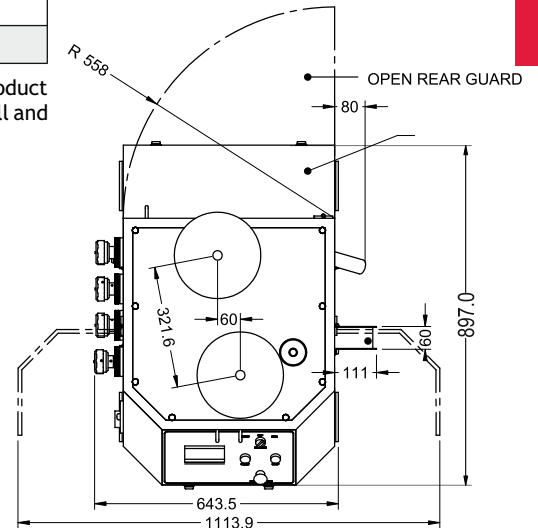
- Automatic weight control function is based on the measurement of compression force at the time of tableting.
- The machine is set up for the desired tablet parameters such as Tablet weight, thickness and hardness.
- Once the desired tablet parameters are achieved, then the average compression force for the desired tablet parameter is taken as the target force.
- The high and low reject limit of the compression force is set for rejection in terms of percentage of target force or absolute values.
- The correction parameter force limit is set within which the weight control function is performed.
- These are Automatic weight control parameters to produce the tablet within the press settings and reject tablets which are outside the band of reject limits of AWC.

TECHNICAL SPECIFICATIONS

Model	EP - 200 AWC		
Type	Single Rotary Tablet Press		
Number of Stations	5/5	8	10
Tooling	EU-D + EU-B		
Tablet Output (Tab/hr) (Max.)*	9,000		
Turret Speed	10 - 30 RPM		
Max. Tablet Diameter	22/16mm		
Max. Tablet Thickness	8 mm		
Filling Cam Depth	12 /16		
Upper Punch Insert	2 - 6 mm		
Main Pressure (Max.)	Rated 6 Ton (60 kN) - Continuous 5 Ton (50 kN)		
Pre Pressure (Max.)	Rated 6 Ton (60 kN) - Continuous 5 Ton (50 kN)		
Power - Main Motor	3 HP, 1440 RPM, 415V, 3 PH, 50 Hz		
Main Motor Inverter	3 HP (2.25 kW)		
Feeder	Force Feeder (standard) - Gravity Feeder (optional)		
Machine Footprint – Main Machine	710 mm x 987 mm		
Machine Height (without Hopper)	1260 mm		
Machine Height (with Hopper)	1368 mm		



FRONT VIEW



TOP VIEW

* 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 conditions.

Automatic Weight Control system (AWC)

- The machine is started and the desired running speed value is entered. The proprietary program increases the speed by 1 rpm keeping the weight within the correction parameter limit set.
- This function ensure, the rejects are not produced and yield is higher due to less set up losses.



Turret Drive



Turret



Zonal Separation



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