

Rotary Tablet Press ZP35E



Improvement Based on Model ZP35D

1. Parts for opening the four transparent organic glass doors are placed at the upper part of the pressing chamber, which turns to be clean, bright, easy for cleaning and maintenance.
2. This ZP35E rotary tablet press uses integral stainless steel baseboard in the pressing chamber, preventing the powder from leaking into the cabinet.
3. Digital display of pressure adjustment and materials filling avoids operation errors effectively.
4. Standard upper guide rail is interchangeable. After long term use, it only needs to change a circle of rail rather than top cover and rail pedestal, saving time, labor and cost.
5. This product is also configured with Mitsubishi frequency converter for continuously variable speed regulation and 4kw ABB motor.

Optimization of ZP35E Reinforced Type

1. The reinforced ZP35E rotary tablet press adopts integrated worm on the worm drive box. At the lower part of the main shaft where the worm gear is mounted, another set of bearings is added to enhance the entire efficiency.
2. Both the pressure shaft and bearings are bigger in size, capable of bearing large stress.
3. The power of the motor increases from 4kw to 5.5kw. Matched frequency converter is applied.
4. Middle plate and upper plate of the machine are enlarged by 1cm to bear higher pressure and improve the stability.
5. This reinforced product works with higher pressure than the ordinary type. Therein, the pressure of them is 10ton and 8ton respectively.

In fact, the ZP35E-1 rotary tablet press can meet the requirements of new version GMP better. If customers need, pressure sensor is optional for pressure adjustment, PLC programming device and touch screen can be mounted to set and display data for ease of operation. Configured USB port makes it achievable to collect data in the pressing process.

Structural Features

1. This double-press rotary tablet press utilizes ZP dies to form single side ejected tablets. Made of granular materials, tablets can be pressed into round and other shapes in various specifications.
2. Pressed by both the precompression roll and main compression roll, tablets are improved on quality.
3. The adjustment unit with hand wheel offers digital display of data for precise and flexible operation. Moreover, it simplifies the process of materials filling and thickness adjustment.
4. The overload protection unit avoids unnecessary damage of the machine. When the overload appears, the rotary tablet press will stop automatically.
5. The stainless steel outer housing is completely closed. All the parts contacting with medicine are made of stainless steel or specially treated to be nontoxic and corrosion resistant. The turret surface is specially designed to prevent cross contamination.
6. Safety lighting instrument is applied inside the pressing chamber.

Technical Parameters

Model	ZP35E	ZP35E Reinforced Model
Die (sets)	35	
Max. Pressure (kN)	80	100
Max. Precompression (kN)	13 (specially shaped 16)	
Max. Diameter of Tablet (mm)	15	
Max. Filling Depth (mm)	6	
Max. Thickness of Tablet (mm)	14-36	
Rotating Speed of Turret (r/min.)	150.000	
Motor Power (kw)	4	5.5
Overall Size (mm)	1100×1050×1680	
Net Weight (kg)	1850	