

Rotary Tablet Press ZPL



This ZPL rotary tablet press is an intelligent machine in small size with excellent rigidity.

Structural Features

1. This single-press machine is mounted with quality dies in compliance with ZP and IPT standards. It gets the granular materials pressed into round and differently shaped tablets in various specifications through single side ejection.
2. The process of precompression and main compression improves the quality of tablets.
3. Continuously variable speed regulation unit plays a necessary role in achieving convenient, safe and reliable operation.
4. Configured with PLC programming unit with touch screen, this rotary tablet press offers digital display of rotating speed of turret, instant pressure of every set of working dies, impeller speed of forced feeder, product name, batch number, production time and other parameters. If the machine goes wrong with emergency stop, overload of motor, overpressure of system and other failure, the detailed information will be presented and recorded clearly.

It is also convenient to set the pressure of system, average pressure of working dies, fill depth, thickness of tablet during precompression and main compression, production capacity and other data. Equipped with USB port, this machine allows users to use USB flash disc to collect and read the real-time working data every ten minutes for printing.

5. In reasonable structure, the main transmission unit runs stably.
6. Our rotary tablet press utilizes the overload protector for the motor via stopping the machine automatically if overload occurs. Additionally, it is also outfitted with overpressure protector, emergency stop device, powerful exhausting and heat dissipating devices, etc.
7. The outer stainless steel housing is completely sealed. Any part that is possible to contact with the medicine is made of stainless steel or specially treated on surface and it is nontoxic and corrosion resistant. The turret is also processed with particular surface treatment to avoid cross contamination.

8. The pressing chamber is made of four pieces of transparent organic glass. It can be completely opened for ease of internal cleaning and maintenance.

9. Users can select the forced feeder as they need.

Advantages

1. This rotary tablet press has passed the small-scale test and pilotscale experiment and it is suitable for making large and small tablets in different specifications in small scale.

2. With the cabinet cast integrally, this product features outstanding overall rigidity, low noise and stable pressing performance.

3. The maximum pressure of the machine is 80kN.

Technical Parameters

Model	ZPL-19	ZPL-23	ZPL-27	ZPL-30
Die (sets)	19	23	27	30
Die Standard	IPT1"(EU1")		IPT19 (EU19)	
	D	B	BB	BBS
Max. Production Capacity (pc/h)	41,000	49,600	72,900	81,000
Max. Pressure (kN)	80			
Max. Precompression (kN)	10			
Max. Diameter of Tablet (mm)	25	18	13	11
Max. Thickness of Tablet (mm)	8			
Max. Filling Depth (mm)	18			
Rotating Speed of Turret (r/min.)	12~36		15~45	
Outer Diameter of Die (mm)	38.1	30.16	24	22
Height of Die (mm)	23.8		22.22	
Diameter of Punches Body (mm)	25.35		19	
Length of Punch (mm)	133.35/(133.6)			
Depth of Upper Punches (mm)	4			
Motor Power (kw)	3			
Overall Size (mm)	850×750×1580 (L×W×H)			
Net Weight (kg)	1150			