

ZP-35D Rotary Tablet Press Machine



ZP-35D is an automatically rotating and continuously pressing machine. It applies frequency control of speed. Its application is mainly seen in tablet production of pharmaceutical industry, as well as chemical, food and electronic industries.

Appropriate material of this machine is particles whole powder (over 100 meshes) content is no more than 10%, but not semi-solid, damp particles, low-melting-point materials, moisture-sensitive materials and powders of none particle.

Structure and features

- 1) The speed is controlled by frequency converting motor. The synchronous belt wheel drives worm and turbine and last turntable. The turntable will then drive 35 punching dies to rotate clockwise. Every die feed and fill materials, press and discharge tablets through the upper and lower tracks, pressing wheels and other structures.
- 2) Pressure, filling, tablet thickness and rotating speed are all adjustable. All adjusting handwheels are installed on the façade of the machine and instructions can be shown on the operation panel. Operation is simple and maintenance is convenient.
- 3) The driving structure is absolutely separated from tablet pressing chamber for tablets' meeting requirements of GMP. The tablet pressing chamber is separated with other parts with non-toxic and anti-corrosive stainless steel board. It is also sealed to avoid cross contamination.
- 4) The upper pressing wheel is equipped with unloading device for pressure adjustment. When operation pressure of the punching rod is larger than the set pressure, the rod can unload through spring compression and a buzzer will give out audio-visual signal. The machine will also stop immediately to protect parts.
- 5) The driving system applies worm and turbine which are separated and immerse in lubricating oil so that their service life is extended.

6) Upper track, driving worm, material hopper, material feeder and filling track are all interchangeable with those of ZP33. The punching dies of this machine conform to standard of JB20022-2004 and are interchangeable with those of ZP33/19.

7) The two side boards and rear boards are opened with special keys for convenient machine maintenance.

Application

1) In pharmaceutical industry: Chinese medical tablets, Western medical tablets, nutrient tablets, veterinary drugs...

2) Foodstuff: candy tablets, coffee tablets, nodosome, seasoning...

3) Health care products: buccal tablets, milk tablets, calcium tablets, propolis tablets...

4) Electronic industry: electronic components, button battery...

5) Chemical industry: camphor balls, aromatic balls, fertilizer tablets, mosquito repellent incense tablets, catalyzer, disinfectant tablets...

6) Metallurgical and ceramic industries: catalyst, metallurgical powders, ceramic particles, metal tablets...

Technical Parameters

Model	ZP-35D
Quantity of punching die on the turntable	31*35
Operation pressure	100KN
tablet pressing diameter	25mm
Tablet thickness	6mm
Filling depth	15mm
Output	60000-110000 pcs/h
Main motor power	4/5.5KW, 380V/50HZ
Net weight	1850KG
Overall dimensions (L*W*H)	1240*980*1650mm