

ZPW-21D Rotary Tablet Press



This machine is a double-press type; it continually and automatically tablet press granular raw materials into round tablet, irregular tablet, carved tablet and two layer (color) tablets etc. It is mainly used in pharmaceutical industry and also the chemical, food, electronic industry and so on.

When making two layer (color) tablets, it only need replace components and add Powder absorbing apparatus which greatly lowers the cost and raise profit.

In addition, it is equipped with the pre-pressure and overload protection devices. The powder-absorbing box is installed on one side of the machine. It can absorb the powder from the operation of the machine via suction port to avoid bonding and clogging, and it also can recycle the raw material for reproduction.

Scope of application

- Pharmaceutical: Chinese tablets, Western medicine, plain films, chewable tablet, calcium tablet, buccal tablet, propolis tablet (bee propolis tablet), spiraling tablet, effervescent tablet-pioneer, camphor ball etc.
- Foodstuff: candy pieces, flake coffee, chicken essence chunk, seasoning chunk, glucose tablet, milk powder candy etc.
- Agriculture: wafer feed, fertilizer chunk, animal food etc.
- Chemical: bleaching powder, ceramic powder, powder metallurgy, magnetic materials, antiseptic, powdered carbon£¬molecular sieve etc.
- Electronic: carbon brush, button cell, electronic component etc.

Features

- The outside part of the machine is full-enclosed. The material of the cover and internal table are made of stainless steel. The surface of turntable is specially disposed to keep the surface luster and prevent it from being polluted, meeting the GMP requirement.
- It has transparent windows so that press condition can be observed clearly and windows can be opened for cleaning and maintenance. The lay-out of all the controllers and the operate parts is reasonable.
- The frequency-conversion speed regulation device is provided to perform speed regulation electrically, so as to keep the machine clean. Reasonable design of hydraulic system can ensure the stability of hydraulic system.
- All the drive devices are located inside the machine so keep the machine clean.
- Overload protection unit is included in the system to avoid the damage of the punches and apparatus, When overload occurs, the machine will stop working automatically.
- This machine also has electromagnetic brake motor and other safety protection device which can be adjusted and operated when running.
- Powder absorbing device could absorb the powder in the tablet-pressing room.
- The punches and dies are also applicable to Model ZP19, ZP33, ZP35 and ZP37.

Technical Parameters

Die no.	21 sets
Max. pressure of tablet	100 KN
Max. dia. of tablet	32 mm
Max. depth of filling	25 mm
Max. thickness of tablet	10 mm
Max. throughput	63000 pc/h
Turret speed	14-25 r/min
Motor	4 KW, 1440 r/min, 380V/50Hz
Overall size	1240x980x1670mm
Weight	2200 kg