

ZP17E, 19E, 21E Rotary Tablet Press



This machine is used to press the granular raw material into the round tablets or various geometric shaped tablets, it is especially caters for small scale production. When pressing the tablets, the rotary disc speed and filling depth of material can be adjustable.

In addition, it is equipped with the recompression 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: wafered 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.

- 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, ZP21, ZP33, ZP35 and ZP37.

Technical Parameters

Punch die	17, 19,21 sets(nonstandard)
Maximum capacity	18 000 tablets/hour
Max. working pressure	80--150 KN
Max. diameter of tablet	45 mm
Max. thickness of tablet	18-25 mm
Max. depth of tablet	40-45 mm
Max. working diameter	430-530 mm
Diameter of center form	55-66 mm
Diameter of punching die	45-55 mm
Diameter of upper/lower punching bar	45 mm
Length of upper punching bar	162 mm
Length of lower punching bar	188 mm
Machine height	1870 mm
Speed of rotary table	6-18 r/min
Motor Power	4-7.5 KW
Net weight	2200 kg
Voltage	380V/50HZ