High Production Rotary Tablet Press Machine ZPW-31

The High Production Rotary Tablet Press Machine is a miniaturized tablet press that rotates automatically and continuously presses according to the production needs. It is mainly used in the process research of pharmaceutical, chemical, food, electronics and other industrial sectors to compress granular raw materials into tablets.

The working principle and main structure of the High Production Rotary Tablet Press Machine

1. Turntable structure: Turntable is the main actuator for the work of the High Production Rotary Tablet Press Machine. There are main components such as upper and lower bearing components, main shaft and turntable. The main shaft is supported on the bearing, driven by the worm gear, splined, and the main shaft is driven to rotate the turret.
2. The High Production Rotary Tablet Press Machine track mechanism: the track has a cylindrical cam and a plane cam composed of the upper track and the lower track, is the trajectory of the upper and lower punch movement. The upper track consists of multiple tracks such as the upper rushing upper rail, the upper rushing lower rail, the upper rushing upper parallel rail, the upper rushing lower parallel rail, and the lower rail. They are fastened to the upper track disc, respectively. The lower track consists of an undershoot upstream rail, a lower thrust lower rail, and a fill rail. They are mounted separately on the lower rail seat.
3. High Production Rotary Tablet Press Machine filling adjustment device: The filling adjustment is used to adjust the weight of the tablet. The filling adjustment mechanism is arranged inside the main body, and a moon-shaped filling rail can be observed on the plane of the main body, which is controlled by the action of the spiral to rise or fall to control the filling amount, and when the rotating disc is adjusted, the clockwise filling amount is decreased, and vice versa. Increase.
4. High Production Rotary Tablet Press Machine thickness (pressure) adjustment device: adjust the thickness (pressure) by adjusting the lower pressure roller up and down. The lower pressing

wheel is installed in the groove of the main body, and is sleeved on the eccentric shaft, and the outer end is connected to the hand wheel. When the external hand wheel is adjusted, the eccentric shaft drives the pressing wheel to rise and fall, that is, adjust the sheet thickness (pressure), thereby Controlling the thickness and hardness of the tablet, the upper and lower adjustment of the upper pressure roller can also be used as an adjustment device, but it is not adjusted under normal circumstances.

Technical Parameter:

Type	ZPW-31
Dies (sets)	31
Max. Pressure (kn)	80
Max. dia. of tablet (mm)	22
Max. Depth of fill (mm)	15
Thickness of largest tablet (mm)	6
Turret speed (r/min)	14-36
Production capacity (pc/h)	135000
Motor (kw)	4
Overall dimensions(mm)	1230*950*1670
Net weight (kg)	1700