



GZPK-26 / 32 / 40 / 50 Full-automatic High-Speed Tablet Press Machine



Descriptions

1. Working environment: The working environment conforms to relevant requirements of GMP specification.
2. Material pressing requirement

Granule requirement

Granule size range: 12-60 meshes, good compressibility and mobility; Synthetic medicine starch tablet: the granules should be uniform and not moist; the proportion of fine powder (above 60 meshes) in the granules should not exceed one third;

Traditional Chinese medicine granules: pure extract, semi-extract and raw powder granules should not be moist and should have certain mobility.

Dry powder

It is applicable to direct powder tableting, and the pressed powder should have certain compressibility and mobility.

3. Tableting form: The machine can be used for pressing common round tablets, large tablets, abnormal tablets, special abnormal tablets, single/double-face carved tablets, cartoon tablets, etc.
4. Power supply requirement 380V, 50Hz, three-phase five-wire system, no mutual interference between N line and PE line.

Product Functions

1) PLC touch screen (POD) control system most widely applied for industrial control is adopted for the system, and Japan Panasonic FP Σ programmable logic controller is used as the control center; analog module and remote data communication interface are configured for the machine, and EVIEW color touch screen is adopted for the operation unit, and host machine frequency converter and feed frequency converter are both Japan Panasonic products. The execution systems are the products from international famous brand companies to ensure the stability and reliability of the electric control system.

2) The host machine and the feed motor of the tablet press are driven by frequency converters. In production, the production speed can be continuously adjusted as needed. The feed motor speed can be increased along with the increase of host machine speed.

3) The frequency conversion technology is adopted for main transmission to realize energy conservation & consumption reduction, reliable control, stable operation and small noise. The frequency converter has intelligent control, and the electric system can control and give full play to the functions of the frequency converter, thus realizing the non-overload stable start & stop, overload protection, fault alarm, fault shutdown, speed & current display of the rotating disk.

4) It has a monitoring system.

5) Automatic tablet weight control function, waste tablet identification function and automatic elimination function.

6) By virtue of advanced software functions, (POD) color touch screen operation and Chinese menu, the machine can online display the operation state and realize automatic fault detection & alarm and automatic shutdown functions.

Technical Parameters

Model	GZPK-26	GZPK-32	GZPK-40	GZPK-50
Punch pin number	26	32	40	50
Punch Type (IPT)	D	B	BB	TF16
Production range (10,000 tablets/h)	34000- 171000	42000- 211000	52000- 264000	
Rotating speed (rpm)	22-110			
Maximum main pressure	100KN			
Maximum pre-pressure	16KN			
Maximum filling depth	20mm	16mm	16mm	16mm
Tablet thickness range	0.5-9mm			
Maximum tablet diameter	25mm	16mm	13mm	10mm
Maximum abnormal axis size	\angle 25mm	\angle 19mm	\angle 16mm	\angle 11mm
Die diameter	38.10mm	30.16mm	24.00mm	19.00mm
Plunger diameter	25.35mm	19.00mm	19.00mm	16.00mm
Plunger length	133.60mm			
Working noise	\leq 70dB			
Total power	7.5KW/380V,50Hz			
	7.5KW/380V, 50Hz, three-phase five-wire system			
Bounday dimension of equipment	820*1100*1750 mm			
Net weight of equipment	1450kg			
Remark	The maximum production refers to the maximum production realized under the conditions of round tablets, minimum tablet diameter and maximum rotating speed. The production is influenced by tablet diameter and tablet type.			