



TRUSTAR PHARMA & PACKING EQUIPMENT CO., LTD.

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GZP(K)730 Series High Speed Rotary Tablet Press Machine



GZPK730

GZP730



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1. Machine Description

The machine is one kind of double sides rotary tablet press machine which can press granular materials into round shape tablets, irregular tablets or double-side engraved tablets. This machine is mainly used in pharmaceutical, chemistry, foodstuff, electronic industries.

2. Some technical features

- 1) high speed with large quantity punches, double press rollers, suitable for mass production.
- 2) made of stainless steel, the housing is fully closed. The surface of the rotary turret is covered with a hardened layer so that the turret surface is wear resistant. The machine conforms to GMP requirements.
- 3) perfect tableting system, twice compression forming. Reasonable framework with proper space and big pressure roller, machine performance is reliable and no tablet weight difference.
- 4) compression compartment is entirely enclosed with transparent glass to prevent contamination.
- 5) double impeller type force feeder, improve granules flowability and filling performance, ensure the filling precision.
- 6) tooling track adopt double sides lifting structure, the punches are balanced stress and wear resistance.
- 7) high performance electrical control system, ensure each program processing precisely.
- 8) Automatic oil & grease central lubrication system, ensure the lubrication of pressure rollers, toolings and tracks, extending the working life of the machine.

Note:

- 1) GPK730 Model adopts advanced operation system and tablet weight control system, adjust each operation parameter (main pressure, pre-pressure and filling depth) easily without handwheel. Effective detecting and adjusting for tablet hardness and weight is achieved.



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2) GZPK730 Model can record all the process parameters for each production batch, it is convenient for operator to control the machine.

3. Main technical parameters

Model		GZP(K)-51	GZP(K)-63	GZP(K)-75	GZP(K)-81
Dies		51	63	75	81
Tooling standard		D	B	BB	BBS
Max. Main pressure		100KN			
Max. Pre-pressure		100KN			
Max. Dia of Tablet (mm)	Round tablet	25	18	13	11
	Irregular tablet	25	19	16	13
Max. filling depth (mm)		20	18	15	15
Max. tablet thickness (mm)		8	7	6	6
Max. Capacity (pcs/h)		428400	529200	630000	680000
Motor power		15KW			
Dimensions		1780*1660*1920mm			
Weight		4800kg			

4. Main Electrical Component List

No.	Name	Model	Specification	Qty.	Brand
1	PLC	FP-X C38 AT	PLC main machine	1	Panasonic
		FP-X E14YR	module	2	
		FP-X E16X	module	1	
		FP-X extension cable	communicator plug-in	3	
		FP-X pulse input/output plug-in	Comm	1	
		FP-X COM1		1	
		FP-X adapter		1	
		FP-X termianl	cable	8	
		FP-X backup battery		1	
		MT8000-FPO		1	



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2	main motor	Y160L-4	15KW rotary	1440	1	Lichao, Shanghai
3	touch panel	MT6100	10.2"		1	Weinview,Taiwan
4	tranducer	CIMR-VB	15KW		1	YASKAWA
5	tranducer	BFV00072G			2	Panasonic
6	switch power supply	LW 42B25			1	Tianyi, Shanghai
7	servo motor and driver	Motor ECMA-C2064PS, driver ASD-B2-0421-B	for filling		2	Delta, Taiwan
8	circuit breaker	GV2-RS07	1.6-2.5		2	Schneider
		GV2-RS14	6-10		1	
9	contact	GV2E			3	Schneider
10	miniature circuit breaker	3P C25			1	Schneider
		3P C10			2	
		2P C10/C4			3/2	
		2P C20			1	
11	AC contactor	LC1 D0910 M5C			2	Schneider
12	Spring terminal block	ST2.5				phoenix
13	DC relay	24VDC			8	IDEC
14	amplifier	LAC74.1			2	Denmark
15	rotary encoder	2000 wire	for connect principal axis detection N/A *		1	
16	rotary encoder	360 wire	for filling and main pressure N/A *		4	
17	pressure sensor	press strain sensor	for main pressure N/A*		2	
18	Scram button, Key switch button, switch indicator light	ZB2BZ104C+ZB2BS54C YW-E10, DC24V	IIDEC red, green, yellow			Schneider, IDEC
19	alarm light				1	QLIGHT
20	rotary magnet	DC24V	N/A *		2	Shanghai
21	filter	FILTER-1KW			1	



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22	switching power supply	24VDC 6.5A		1	OMRON
23	hydraulic sensor	YH501 24VDC 4-20mA 0-16MPa		1	
24	high speed air valve	MHE2-MS1H			FESTO
25	axial fan	KA 1725HA2 220V		2	Kagu
	axial fan	KA1238HA2 220V Filter net		2	
26	feeding motor with reducer	motor: MS6322, MS63B14 reduction box: NMRV03040 , 63B14、B31Shanghai munchie speed ratio 1:40	250W 3-phase 380V N/A *	2	Wanda, Fujian
27	synchronous motor	130TDY060-2B	220V/50Hz, 60r/min, current 0.95A, torque 9000mn for pre-pressure N/A *	2	Suzhou
28	servo motor	ECMA-C2064PS	for main pressure	4	
29	driver	ASD-B2-0421-B	N/A*	4	
30	buzzer	DC24v		1	