



CIMA[®]
Industries Inc.
Pharmaceutical Equipment

GZPS SERIES TABLET PRESS



*Integral solutions in Processing
and Packaging equipment*

- **High pressure**
- **Largue diameter of tablets**
- **High yield**
- **Accurate and easy maintenance**



The advanced and reasonable design is the foundation of extraordinary quality of production, with a combination of years of experiences on producing high-speed tablet press and modern technology, a new design idea of GZPS series double-sided high-speed tablet press fulfilled the standardization, modularization and serialization of production.

GZPS series possess advantages as high accuracy, high speed and high-degree programmed automation and capable to be the ideal equipments for mass production of tablets.

Meets GMP requirements, can press two layers tablets with different colors, annular tablets, round tablets, engraved tablets and irregular tablets.



PERFORMANCE

- Automatic concentrative lubrication system;
- Special oil proof, dust proof and noise proof system;
- Isolated visual window with high clarity;
- A 360° open structure of pressing chamber, without dead area. Easy to clean, operate and maintenance; Special 4 poles construction ensures the machine to perform stably and durably;
- Advanced international heat treatment of the punch turret makes it have super longevity.
- Same size of pre-press wheel and main-press wheel. The both wheels can be interchanged, which is propitious to removing air for material and extend the time of pressing;
- Steel support for press wheel makes tablets formed best and ensures the consistency of thickness of tablets;
- Enough space of replacement for both die and upper & lower cam tracks, it is easier for maintenance.
- Adopts the mode of motor along with encoder to adjust the position of main press wheel and pre-press wheel, This ensures the high accuracy.

CONTROL SYSTEM

- Separate control cabinet to operate the machine; separated production area from operating area; ensures the safety for operator and sanitation for production;
- Adopts 10 inches touch screen to fulfill the automatic controlling, without handwheels.
- All information about manufacturing can be displayed, stored, extracted and reset;
- Different degree of user's password can be set.
- Adopts automatic servo motor controlling; adjust dosing cam tracks; control the depth of filling, ensures high accuracy of tablets' difference.



- Manufacturing technics: based on the international way to design with computer and to build with precision machine, by means of special heating process method with strict quality inspection.
- Option: we can provide dies fabricated by Natoli (USA)

TECHNICAL SPECIFICATIONS

	Models			
Parameter	GZPS-49	GZPS-61	GZPS-73	GZPS-79
No. of stations	49	61	73	79
Tooling type	D	B	BB	BBS
Output range (Tablets/h)	47000~470000	58000~580000	70000~700000	75000~750000
Rotation speed range (rpm)	8~80rpm			
Main pressure	100KN			
Pre-pressure				
Max tablet diameter	φ25mm	φ16mm	φ13mm	φ11mm
Max length of irregular tablet	25mm	19mm	16mm	13mm
Diameter of die	φ38.1mm	φ30.16mm	φ24mm	φ22mm
Max. filling depth	20mm		16mm	
Main motor power	11kW			
Diameter of punch	25.35mm	19mm		
Weight	4800kg			
Dimension of machine	1300×1300×2000mm			
Dimension of control cabinet	890×510×1200mm			

PERIPHERAL EQUIPMENT

AS59-II INDUSTRIAL DUST COLLECTOR

Strong dust collecting capability, super-silent design and can be used widely and work continuously for a long time.

AS-59 II

Material: Stainless steel

Power supply: 220 V/60 Hz

Power: 2.2 KW

Dimensions: 860 x 670 x 1500 mm

Weight: 108 Kg



AS59-III INDUSTRIAL DUST COLLECTOR

The machine has strong de-dusting capacity. Equipped with dust collecting tray at bottom which is convenient for cleaning. Easy operation and maintenance.

AS-59 III

Material: 304 Stainless steel

Power: 3 kW

Weight: 108 Kg

Power supply: 220V / 60 Hz

Dimensions: 750 x 780 x 1900 mm



C&C200C UPHILL TABLET DE-DUSTER

This uphill tablet de-duster can be used with tablet press machine & metal detector. Tablets come out at top position, tablets lifting & de-dusting at the same time. Tablets moving upwards via uphill sifters make tablets very clean. The speed can be adjusted. Easy operation and cleaning, convenient to move.

C&C200C Uphill tablet de-duster

Capacity: 1,000,000 tablets/h

Power: 150 W

Max tablets diameter: 25 mm

Power supply: 110V / 220V / 50/60 Hz 1P

Compressed Air: 0.1 m³/min 0.1 Mpa

Vacuum: 2.5m³/min -0.1 Mpa

Dimensions: 550 x 550 x (1350 – 15900) mm

Weight: 70 Kg



S2000 METAL DETECTOR

Metal Detector is an eddy current based digital metal detection system for detecting metal contamination in tablets/capsules, preferably installed after de-duster. The detector is designed and manufactured to meet the stringent requirement and hygienic standards of pharmaceutical industry.

S2000 METAL DETECTOR

Power Supply: 220V / 50/60 Hz 1P

Aperture size: 95 x 22 mm

Sensitivity: 0.15 mm dia

Ferrous: 0.2 mm

Nonferrous: 0.3 mm



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