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Materials

TENCAN

Product Brochure



PRESS FORMING

automatic electric tablet press

TYPJ

Automatic electric tablet press for XRF, cement, and ceramic sample prep. High precision, replaces manual units. Ideal for lab research.

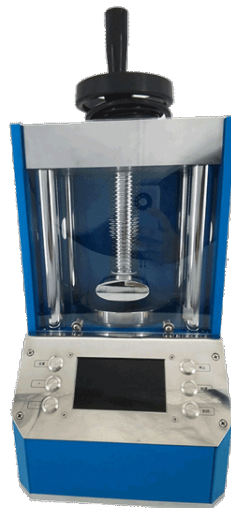
<https://www.planetaryballmills.com/products/press-forming/automatic-electric-tablet-press.html>



— TENCAN POWDER —

Product Overview

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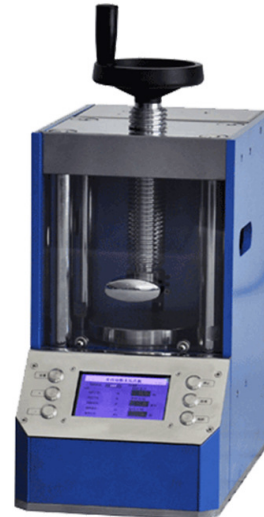
Fully Automatic Electric Tablet Press

Saves Time, Labor and Worry

Hydraulic Cylinder Limit Protection

Intelligent Large LCD Screen

Microcomputer Intelligent Program





Product Introduction

TYPJ Series
Product Operation
Set
Settings Interface

Settings

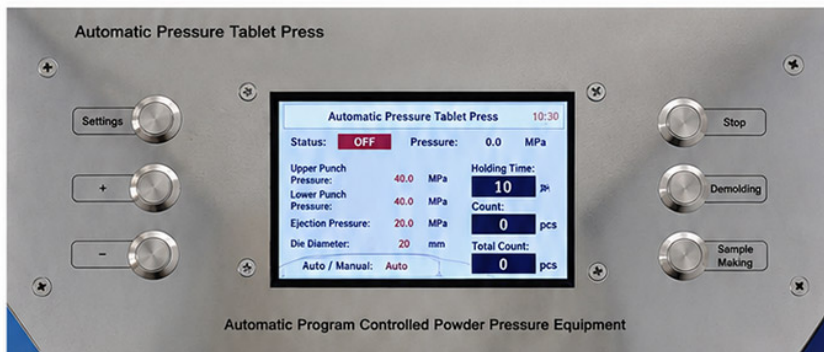
On the operation interface, press the "Settings" button to enter the settings interface. Press the "Settings" button again to move through the setting items. After moving to "Die Diameter," press the "Settings" button again to return to the operation interface.

+

On the operation interface, press the "+" button to increase the set value.

-

On the operation interface, press the "-" button to decrease the set value.

Operation
Operation Interface

Stop

During operation, press the "Stop" button to stop the motor and open the pressure relief valve to release the pressure.

Demolding

Press the "Demolding" button and the machine will start. When the pressure exceeds the preset limit, or when the limit switch is triggered, the equipment will automatically stop and release pressure. You can also stop the operation manually.

Sample Making

Press the "Sample Making" button and the machine will start. When the pressure reaches the set value, pressurization stops and timed pressure holding begins. If the pressure drops below the lower limit, pressure is automatically supplemented. After the timer ends, pressure is automatically released.

Improvement
Improvements for Common Oil Leakage Problems

- Improved sealing structure between the punch and the upper punch rod to reduce oil leakage at the upper punch.
- Improved sealing of the oil return hole to eliminate oil leakage at the return pathway of the upper punch.
- Improved sealing of the oil return hole to remove oil leakage at the return pathway of the lower punch.
- Improved sealing of the pressure relief valve to ensure no oil leakage during pressure relief and to reduce oil leakage at the pressure relief valve.
- Improved sealing between the hydraulic cylinder and the piston rod to eliminate oil leakage caused by wear or loose connections.
- Optimized sealing of the connecting oil pipe to fix leakage at joints and reduce oil leakage at connection points.
- Improved sealing of the hydraulic cylinder base to eliminate oil leakage caused by wear or loose connections.

TYPJ Series

Product Details



The fully automatic powder tablet press is a new type of intelligent laboratory tablet press developed based on a combination of manual and electric tablet presses. Equipped with appropriate mold accessories, it can meet the needs of users in pressure molding of powder samples. It is widely used in the analysis and research of new materials such as X-fluorescence, calcium-iron analysis, superconductivity, building materials, powdered ceramics, cement, etc. It is an alternative to existing manual and electric tablet presses and is deeply loved by users.

Technical parameters

Device model	TYPJ-20S	TYPJ-30S	TYPJ-40S	TYPJ-60S
pressure range	1-20T/0.1t	1-30T/0.1t	1-40T/0.1t	1-60T/0.1t
Cylinder stroke	30mm	30mm	50mm	50mm
Pressure method	Electric pressurization			
Pressurization process	Intelligent and fully automatic, programmed pressure/slow pressure-programmed pressure maintenance-programmed pressure replenishment-timed pressure relief			
Display mode	4.3-inch LCD display			
Holding time	0-999.59 (minutes.seconds)			
pressure conversion	The program automatically converts and displays the pressure of the mold sample (Mpa)			
Limit protection	The oil cylinder will automatically release pressure when it reaches the limit height to protect the oil cylinder.			
Equipment protection	Steel plate protection, equipped with plexiglass protective door			
overall structure	One-piece structure			
Device power supply	220V□50Hz/60Hz□			
workspace	140×160mm	140×160mm	175×180mm	185×220mm
Overall dimensions	230×390×420mm	230×390×420mm	280×460×550mm	300×520×580mm
Equipment weight	90kg	95kg	150kg	180kg
Standard configuration	1 tablet press host, mold selection			

Accessories & Customization

Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.