

Hydraulic Powder Compacting Press

This hydraulic powder compacting press is engineered for cold pressing powdered metals into cylindrical forms. The automated system reduces material waste and increases production efficiency.



Overview

High-Efficiency Hydraulic Powder Compacting Press

This hydraulic powder forming machine is engineered for the cold pressing of various metal scraps, including powdered cast iron, copper, and steel, transforming them into dense cylindrical cakes suitable for direct furnace use. Designed for high-volume industrial environments, the system features advanced automation capabilities to significantly reduce material waste and enhance overall production output. The machine integrates a robust PLC-based control system with a human-machine interface, allowing operators to easily adjust pressure settings for precise, consistent results.

Key Features

- Fully automatic operation
- PLC and human-machine interface control system
- Adjustable pressure settings
- High productivity (approx. 15 seconds per product)
- Suitable for cast iron, copper, and steel powder/scraps

Performance Metrics

Production Rate

15 seconds/unit

Cycle Time

Technical Specifications

Model Specifications Comparison

Specification	ZYF07-200T	ZYF07-200T-B	ZYF07-250T	ZYF07-300T	ZYF07-400T
Nominal Force (KN)	2000	2000	2500	3000	4000
Max Pressure (Mpa)	20	19	19	22	22
Max Stroke (mm)	280	450	450	450	480
Motor Power (KW)	15	22	22	22	37
Net Weight (T)	4.5	4.5	5.5	7	11