

Automatic Dewaxing Autoclave for Investment Casting

It removes wax from shells in investment casting. The autoclave features automated controls for temperature, pressure, and cycle time.



Product Overview

Industrial Dewaxing Solution

This automatic dewaxing autoclave is a specialized system designed for high-efficiency pattern wax melting in investment casting production lines. It integrates electrical heating, wax stewing, dewatering, and wax transfer units into a single, automated process. Engineered for energy efficiency and environmental protection, it utilizes advanced heat insulation materials to minimize fuel costs while maintaining precise operational control.

System Capabilities

Integrated Functions

- Electrical and heated dewaxing
- Electrical wax melting furnace
- Wax stewing
- Dewatering
- Wax melting and transfer

Control & Automation

Automation Level

PLC-controlled automation for temperature, pressure, water level, and valve operation

Safety Features

Operational Safety Logic

- No air admission unless door is fully closed
- Autoclave door remains locked under pressure
- No air charging if inner discharge valve is open

Safety Protections

7-Step Temperature Control, Pressure Safety Control, Safety Valve Protection, Door Interlock System, Excess Pressure Protection

Design & Efficiency

Insulation Material

High-efficiency, low heat-conducting coefficient material