

Gas Nitriding Furnace for Aluminum Extrusion Dies

This gas nitriding furnace is engineered to enhance the surface hardness and wear resistance of aluminum extrusion dies through a gas nitriding process. It features excellent sealing and heat-insulating properties, ensuring temperature stability during operation.



Overview

High-Efficiency Nitriding Solution

This vacuum varying pressure nitriding furnace is specifically engineered for the surface treatment of aluminum extrusion dies. It utilizes advanced low-vacuum technology to ensure uniform atmosphere and temperature distribution, resulting in superior surface hardness and wear resistance. Designed for industrial reliability, this system offers a significant load capacity and energy-efficient operation.

Technical Performance

Key Treatment Metrics

10 hours

Max Heat Hold Duration

1200 HV

Max Surface Hardness

Coating Layer Specifications

Layer Type	Depth Range
Penetrating Layer	0.14 - 0.18 mm
Bright White Layer	0.006 - 0.01 mm

Operational Logistics

Logistics & Installation

- Delivery Period: 45 days
- Local Installation Time: 10 days
- Required Utilities: Power supply, High purity ammonia

Certifications

Compliance & Standards

CE • ISO 9001