

60kW Gas Nitriding Furnace for Surface Hardening

This 60kW gas nitriding furnace is designed for advanced process control in nitriding applications. It ensures precise and efficient gas nitriding, enhancing the surface properties of metal components.



Overview

Advanced Vacuum Varying Pressure Nitriding

This 60kW industrial furnace is engineered for high-precision surface hardening using vacuum varying pressure technology. It delivers a high penetrating rate and exceptional surface hardness while maintaining low brittleness and a small friction coefficient. Designed for efficiency, it offers large load capacities and reduced treatment costs through superior sealing and heat insulation.

Performance Metrics

Key Performance Indicators

60 kW

Rated Power

1200 HV

Max Surface Hardness

10 Days

Installation Time

Technical Specifications

Penetrating Layer Depth	0.14-0.18mm (after 8-10 hours)
Bright White Layer	0.006-0.01mm
Surface Hardness	HV 1,000 - 1,200

Process & Efficiency

Key Features

- Low vacuum varying pressure technology
- Uniform and controllable atmosphere
- High penetrating rate
- Small surface friction coefficient
- Low brittleness
- Excellent heat-insulating properties

Operational Requirements

Site Requirements	Power Supply, High Purity Ammonia
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Logistics

Delivery Period	45 days
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Quality & Standards

Compliance & Quality

CE • ISO 9001