

30KW Gas Nitriding Furnace for Hardening

This 30KW gas nitriding furnace is designed for case hardening processes, enhancing surface hardness and wear resistance. It provides a high penetrating rate and stable performance for various metal treatment applications.



Overview

High-Efficiency Vacuum Nitriding Solution

This advanced vacuum varying pressure nitriding furnace is engineered for precision metal hardening, offering exceptional surface hardness and wear resistance. With a proven track record of over 250 units deployed globally, it utilizes low vacuum varying pressure technology to ensure uniform atmosphere distribution and optimal treatment results. The system is designed for operational efficiency, featuring excellent sealing and heat-insulating properties that significantly reduce treatment costs while maximizing load capacity.

Technical Specifications

Power Rating	30 KW
Surface Hardness Range	HV 1,000 - 1,200
Penetrating Layer Depth	0.14 - 0.18 mm
Bright White Layer Thickness	0.006 - 0.01 mm
Heat Holding Time	8 hours

Performance Metrics

Key Performance Advantages

- High penetrating rate
- Low surface friction coefficient
- Low brittleness
- Stable and uniform atmosphere control
- High load capacity

Logistics & Installation

Delivery Period	45 days
Local Installation Time	10 days
Required Utilities	Power Supply, High Purity Ammonia