

# 75kW Gas Nitriding Furnace for Die Steels

This 75kW gas nitriding furnace is designed for the heat treatment of hot-work die steels. It delivers a high penetrating rate and surface hardness, with a big load capacity and low heat-treatment costs.



## Product Overview

### High-Performance Gas Nitriding Solution

This 75kW Gas Nitriding Furnace is designed specifically for the heat treatment of die steels, utilizing vacuum varying pressure technology to ensure a high penetrating rate and uniform atmosphere. It delivers exceptional surface hardness and low brittleness, making it ideal for industrial applications requiring precision and durability. With its efficient sealing and heat-insulating properties, this system significantly reduces treatment costs while maximizing load capacity.

## Technical Performance

### Key Performance Metrics

**75 kW**

Power Rating

**1000 HV**

Surface Hardness (Min)

**1200 HV**

Surface Hardness (Max)

### Nitriding Specifications

Parameter	Value
Heat Holding Time	8-10 hours
Penetrating Layer Depth	0.14-0.18 mm
Bright White Layer	0.006-0.01 mm
Surface Friction Coefficient	Small

## Process Technology

### Advanced Features

- Low vacuum varying pressure technology
- Uniform and controllable atmosphere
- Excellent sealing and heat-insulating properties
- High penetrating rate
- Low brittleness and stable performance

## Logistics & Installation

Delivery Period	45 days
Local Installation	10 days
Customer Requirements	Power Supply, High Purity Ammonia

## Certifications

### Compliance & Quality

CE • ISO 9001

## Global Track Record

Total Units Manufactured

250