

# 100t LF/VD Ladle Refining Furnace System

The 100t LF/VD ladle refining furnace is a comprehensive metallurgical processing unit designed for refining molten steel in ladles. This system integrates Ladle Furnace (LF) and Vacuum Degassing (VD) technologies to achieve precise control over steel composition, temperature, and cleanliness.



## Overview

### High-Efficiency Refining System

The 100t LF/VD Ladle Refining Furnace is a comprehensive metallurgical processing unit engineered for the precise refining of molten steel. By integrating Ladle Furnace (LF) and Vacuum Degassing (VD) technologies, this system enables superior control over steel composition, temperature, and cleanliness. It is an essential solution for steelmaking plants aiming to produce high-quality carbon, alloy, and stainless steels with stringent purity requirements.

## Technical Specifications

### Rated Capacity

**100 t**

Capacity

### Suitable Materials

- Carbon Steel
- Alloy Steel
- Stainless Steel

### Key Benefits

Hydrogen Removal • Nitrogen Removal • Inclusion Reduction • Improved Mechanical Properties

### Core Processes

Ladle Furnace (LF), Vacuum Degassing (VD), Alloying, Slag Treatment, Temperature Control