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ICS 77.010
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YB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YB/T 6394-2025

Technical requirements for intelligent control system of ladle furnace (LF) refining

钢包精炼（LF）智能控制系统技术要求

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 Scope
2 Normative References
2.1 Terms
3 Terms and Definitions
4 Order information
5 Test method
6 Technical requirements
7 Test methods
8 Inspection rules

1 Foreword

YB/T 6394-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

The YB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the general principles, equipment requirements, and technical requirements for the data layer, intelligent control layer, and human-machine interaction of the intelligent control system for ladle refining (LF). This standard applies to the design and development of intelligent control systems for the ladle refining (LF) process in steel enterprises.

YB/T 6394-2025 falls under ICS 77.010, in the field of metallurgy.

This catalogue holds 971 other YB/T standards in that field.

In this catalogue, YB/T standards carry edition years from 1980 to 2026.

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3 About this standard

Sector: Ferrous Metallurgy Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 39799-2021 - Dimension,shape,weight and tolerances for titanium and titanium alloy bars and wires

GB/T 7729-2021 - Chemical analysis of metallurgical products-General rule for spectrophotometric methods

YB/T 081-2013 - Rule for rounding off of numerical values and judgement of testing values for technical standards of metallurgy

YB/T 6393-2025 - Technical requirements for intelligent control system of converter production

YB/T 6389-2025 - Technical Specifications for Environmental Information Management System of Iron and Steel Enterprises

YB/T 6388-2025 - Technical Specifications for Multi-Energy Medium Collaborative Scheduling of Iron and Steel Enterprises

5 Classification and status

International classification (ICS): 77.010

Chinese Standard Classification (CCS): H 07

Prefix YB/T: recommended standard.

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