ISO 21763:2026-08 (E)

Guidelines for smart manufacturing in the iron and steel industry

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Key elements of smart manufacturing in the steel industry 4

5 Smart production process design 4
5.1 Overview 4
5.2 Product development and design 4
5.3 Production process design 4

6 Smart production equipment 5

7 Smart production 7
7.1 Production planning 7
7.2 Production process control 9
7.2.1 Production coordination 9
7.2.2 Production operations 10
7.2.3 Process control 11
7.3 Quality control 11
7.4 Equipment maintenance 12
7.5 Logistics 13
7.6 Controls for sustainability in the value chain 16

Bibliography 17