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Replacing GB 25432-2010

Safety requirements of daylight press

平板硫化机安全要求

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Table of Contents

Preface	III
Introduction	IV
1 Scope	1
2 Normative References	1
3 Terms and Definitions	2
4 Safety requirements and/or protection/risk reduction measures 5.	5
4.1 General Rules	5
4.2 Basic Requirements for Safety Protection Devices	6
4.3 General Hazards	7
4.4 Hazards in Specific Areas	9
4.5 Hazards of Power-Operated Mold Clamping Systems	13
4.6 Hazards of Power-Operated Mold Changing Devices	14
4.7 Additional hazards related to specific designs	15
4.8 Additional Hazards of Auxiliary Equipment	17
5 Verification of safety requirements and/or protection/risk reduction measures	17
6 Instructions for Use	19
6.1 General Rules	19
6.2 Instruction Manual	19
6.3 Mark	22
6.4 Safety signs and alarm signals	22
Appendix A (Informative) Major Hazards	23
A.1 General Provisions	23
A.2 Danger Zone 23 of the Flat Vulcanizing Machine A.3 General Hazards	26
A.4 Hazards in specific areas of the machine	27
A.5 Hazards associated with power-operated mold clamping systems	28
A.6 Hazards associated with power-operated mold changing devices	28
A.7 Additional Hazards Related to Specific Designs	28
A.8 Additional hazards associated with the use of auxiliary devices	29
Appendix B (Normative) Type II Protection	30
B.1 Type II Protection (Active Protective Device for Hydraulic Shafts).....	30
B.2 Type II Protection (Active Protection Device for Electric Drive Systems).....	31
B.3 Type II Protection (Light Curtain for Hydraulic Shafts).....	36

B.4 Type II Protection (Light Curtain for Electric Drive Systems)	37
Appendix C (Normative) Type III Protection	41
C.1 Type III Protection (Active Protective Device for Hydraulic Shafts).....	41
C.2 Type III Protection (Active Protective Device for Electric Drive Systems).....	49
C.3 Type III Protection (Light Curtain for Hydraulic Shafts)	67
C.4 Type III Protection (Light Curtain for Electric Drive Systems).....	69
Appendix D (Normative) Confirmation System	76
D.1 Single Confirmation System	76
D.2 Dual Confirmation System	76
Appendix E (Normative) Use of Two-Handed Operating Devices in Mold Areas	77
E.1 General Requirements	77
E.2 Two-hand operating device for hydraulic shaft.....	77
E.3 Two-hand control device for electric drive system.....	78
Appendix F (Normative) Noise Test Procedure	85
F.1 Overview	85
F.2 Measurement of A-weighted sound pressure level at operator's workstation or other specified location	85
F.3 Measurement of A-weighted sound power	85
F.4 Installation and Installation Conditions for Noise Measurement	85
F.5 Operating Conditions	85
F.6 Information to be Recorded and Reported	86
F.7 Noise Emission Value Labelling and Verification.....	87
References	88

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents". Drafting.

This document replaces GB 25432-2010 "Safety Requirements for Flat Vulcanizing Machines". Compared with GB 25432-2010, the only changes are structural adjustments and editing.

Aside from the sexual alterations, the main technical changes are as follows.

a) The terms "magnetic clamping system", "electric drive system", "motor", and "motor control unit" have been added (see Chapter 3);

b) The "Example of a frame-plate structure upward-moving single-layer flat vulcanizing

machine" has been deleted (see Figure 7 in the 2010 edition);

c) Increased safety performance level requirements for protective measures (see 4.3.1.1, 4.4.1.1.1, 4.4.1.1.4, 4.4.1.1.5, 4.4.1.1.6);

d) Added "Safe Torque Cancellation (STO)" (see 4.4.1.1.6.1);

e) The normative appendix "Type I Active Interlocking Protective Device" has been deleted (see Appendix A of the 2010 edition);

f) Increased risks of electromagnetic interference and mechanical design failure to adhere to ergonomic principles (see A.3.8, A.3.9);

g) Increased hazards associated with power-operated mold clamping systems and power-operated mold changing devices (see A.5, A.6);

h) Additional hazards related to a specific design have been changed (see A.7, 4.5 of the 2010 edition);

i) The additional hazards associated with the use of assistive devices have been changed (see A.8, 4.6 of the 2010 edition);

j) The normative appendix "Type II Active Interlocking Protective Device" has been amended (see Appendix B, Appendix B of the 2010 edition);

k) The normative appendix "Type III Active Interlocking Protective Device" has been amended (see Appendix C, Appendix C of the 2010 edition);

l) The normative appendix "Light Curtain Type Electronic Induction Protection Device" (see Appendix D of the 2010 edition) has been deleted;

m) A normative appendix, "Confirmation System," has been added (see Appendix D);

n) The normative appendix "Two-handed control device" has been amended (see Appendix E, Appendix E of the 2010 edition);

o) The normative appendix "Use of proportional valves for hot plate motion" has been deleted (see Appendix G of the 2010 edition);

p) The normative appendix "Additional requirements for the second circuit breaker in Figure C.1" has been deleted (see Appendix H in the 2010 edition).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Petroleum and Chemical Industry Federation.

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The release history of this document and the document it replaces is as follows.

- First published in 2010 as GB 25432-2010;
- This is the first revision.

Introduction

According to the classification of GB/T 15706-2012, this document belongs to Class C standards.

This document is particularly relevant to the following stakeholders related to machinery safety.

- Machine manufacturer;
- Health and Safety Agency.

Other stakeholders affected by the level of mechanical safety include.

- Machine users;
- Machine owner;
- Service provider;
- Consumer (when the machine is scheduled to be used by the consumer).

All of the aforementioned stakeholders may participate in the drafting of this document.

The scope of the machinery involved, as well as the hazards, hazardous conditions, and dangerous events covered, is given in the scope of this document.

When the requirements of this document differ from those in Category A or Category B standards, for machines designed and manufactured in accordance with this document...

For this instrument, the requirements of this document take precedence over the requirements of other standards.