



SLOVENSKI STANDARD

SIST ISO 12643-5:2011

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Grafična tehnologija - Varnostne zahteve za grafično tehnološko opremo in sisteme - 5. del: Samostojni zaklopni stroji

Graphic technology - Safety requirements for graphic technology equipment and systems
- Part 5: Stand-alone platen presses

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Technologie graphique — Exigences de sécurité pour les systèmes et l'équipement de technologie graphique — Partie 5: Presses à plateaux autonomes

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ICS:

37.100.10 Reprodukcijska oprema Reproduction equipment

SIST ISO 12643-5:2011

en

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STANDARD

ISO
12643-5

First edition
2010-12-15

**Graphic technology — Safety
requirements for graphic technology
equipment and systems —**

**Part 5:
Stand-alone platen presses**

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*Technologie graphique — Exigences de sécurité pour les systèmes
et l'équipement de technologie graphique —
(standards.iteh.ai)*
Partie 5. Presses à plateaux autonomes

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ISO 12643-5:2010(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 12643-5 was prepared by Technical Committee ISO/TC 130, *Graphic technology*.

It is the intent of ISO/TC 130 that this first edition of ISO 12643-5 become applicable to new equipment manufactured from 2012-01-01.

ISO 12643 consists of the following parts, under the general title *Graphic technology — Safety requirements for graphic technology equipment and systems*:

- SIST ISO 12643-5:2011
<https://standards.iteh.ai/catalog/standards/sist/cbd5ab52-a2a3-4d21-8e86-5ec2227992de/sist-iso-12643-5-2011>
- *Part 1: General requirements*
 - *Part 2: Prepress and press equipment and systems*
 - *Part 3: Binding and finishing equipment and systems*
 - *Part 4: Converting equipment and systems*
 - *Part 5: Stand-alone platen presses*

Introduction

The purpose of this part of ISO 12643 is to reduce the risk of injury to operating personnel working on stand-alone platen presses.

This part of ISO 12643 provides requirements for controls and for guarding residual hazards and hazards created by point of operation of manually fed and automatically fed platen presses. It also provides requirements specific to the use of a flywheel, and specifies safe operating practices and training requirements.

During the development of this part of ISO 12643, existing relevant standards of other countries were taken into consideration. An effort has been made to harmonize the requirements of many countries, recognizing that national standards or laws may dictate national requirements. In cases where it was known that there is a national requirement that differs from this part of ISO 12643, that has been noted.

This part of ISO 12643 was developed to harmonize the following US and European safety standards:

- ANSI B65.5, *Safety standard — Stand-alone platen presses*
- EN 1010-5, *Safety of machinery — Safety requirements for the design and construction of printing and paper converting machines — Part 5: Machines for the production of corrugated board and machines for the conversion of flat and corrugated board*

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Graphic technology — Safety requirements for graphic technology equipment and systems —

Part 5: Stand-alone platen presses

1 Scope

This part of ISO 12643 provides safety requirements specific to stand-alone platen presses. It is intended to be used in conjunction with the general requirements given in ISO 12643-1.

This part of ISO 12643 provides additional press design safety requirements for the design and construction of new manually fed or automatic stand-alone platen press systems intended for die-cutting, creasing, embossing, foil stamping and/or the printing of paper, board and other materials processed in a similar manner.

This part of ISO 12643 is not applicable to presses designed to handle metal material other than foil.

2 Normative references

[SIST ISO 12643-5:2011](https://standards.iteh.ai/catalog/standards/sist/cbd5ab52-a2a3-4d21-8e86-57c22279974d/sist-iso-12643-5-2011)

[https://standards.iteh.ai/catalog/standards/sist/cbd5ab52-a2a3-4d21-8e86-](https://standards.iteh.ai/catalog/standards/sist/cbd5ab52-a2a3-4d21-8e86-57c22279974d/sist-iso-12643-5-2011)

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4414, *Pneumatic fluid power — General rules and safety requirements for systems and their components*

ISO 12643-1, *Graphic technology — Safety requirements for graphic technology equipment and systems — Part 1: General requirements*

ISO 13849-1, *Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design*

ISO 13856-2, *Safety of machinery — Pressure-sensitive protective devices — Part 2: General principles for the design and testing of pressure-sensitive edges and pressure-sensitive bars*

ISO 14120, *Safety of machinery — Guards — General requirements for the design and construction of fixed and movable guards*

IEC 61496-1, *Safety of machinery — Electro-sensitive protective equipment — Part 1: General requirements and tests*

IEC 61496-3, *Safety of machinery — Electro-sensitive protective equipment — Part 3: Particular requirements for Active Opto-electronic Protective Devices responsive to Diffuse Reflection (AOPDDR)*

IEC 62061, *Safety of machinery — Functional safety of safety-related electrical, electronic and programmable electronic control systems*