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

### **Part 4: Converting equipment and systems**

*Technologie graphique — Exigences de sécurité pour les systèmes et l'équipement de technologie graphique —*

*Partie 4: Systèmes et équipement de façonnage*



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## Contents

Page

Foreword .....	v
Introduction.....	vi
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 Equipment covered by this part of ISO 12643 .....	2
4.1 General .....	2
4.2 Machines used primarily in a converting operation .....	2
4.3 Machines used in both printing and converting processes .....	2
5 Machinery for the production of corrugated board .....	3
5.1 All machines .....	3
5.2 Unwinding stations .....	4
5.3 Splicers.....	6
5.4 Preheater .....	7
5.5 Single facer .....	9
5.6 Inclined belt conveyor.....	14
5.7 Bridge .....	14
5.8 Braking and web aligning section .....	15
5.9 Gluing machine.....	15
5.10 Heating and pulling section.....	16
5.11 Rotary shear unit.....	18
5.12 Pulling unit .....	18
5.13 Slitter-scorer units.....	19
5.14 Web diverter .....	20
5.15 Sheeters.....	20
5.16 Stacker devices .....	21
6 Folding box gluer machines.....	25
6.1 Entire machine.....	25
6.2 Feeder.....	25
6.3 Folding section .....	25
6.4 Gluing section.....	27
6.5 Folding belt .....	27
6.6 Pressing section.....	28
7 Pre-feeders .....	29
7.1 Pre-feeder with pile carrier plate.....	29
7.2 Pre-feeder with pile turner .....	30
8 In-line machines .....	32
8.1 Entire machine.....	32
8.2 Feeding unit .....	33
8.3 Printing unit .....	35
8.4 Slitter-scorer unit, rotary die-cutter.....	36
8.5 Folding unit (folding box gluer) .....	36
8.6 Taping unit .....	37
8.7 Stitching unit.....	37
9 Automatic flatbed die-cutting machines .....	38
9.1 Entire machine.....	38
9.2 Feeder .....	39

This is a preview of "ISO 12643-4:2010". [Click here to purchase the full version from the ANSI store.](#)

9.3	Punching section .....	39
9.4	Stripping section.....	40
9.5	Blank separating section, blank delivery .....	40
9.6	Trimming and delivery of gripper edge .....	40
10	Roller press die-cutters.....	40
11	Tube winding machines .....	40
11.1	Ply reels .....	40
11.2	In-running nips on shaft bearings.....	40
11.3	In-running nip between winding belt and winding material .....	40
11.4	In-running nips.....	42
11.5	In-running nips between glue rollers.....	42
11.6	Tube cutting and sawing section .....	42
11.7	Tube transfer .....	42
12	Machinery for the production of envelopes .....	42
12.1	Printing unit guarding .....	42
12.2	Longitudinal and cross-scoring section .....	43
12.3	Form cutting section .....	43
12.4	Driven guide rollers .....	43
12.5	Window cutting section .....	43
12.6	Window material conveying section with unwinding unit.....	43
12.7	Scraper gluing unit .....	44
12.8	Separating cutting section.....	44
12.9	Bottom flap folding section .....	44
12.10	Transport rolls.....	45
12.11	Staggering wheel .....	45
12.12	Roller gluing unit .....	45
12.13	Hot air dryers.....	47
12.14	Separation roller before aligner section.....	47
12.15	Aligner section .....	47
12.16	Seal flap folding section .....	47
12.17	Separating disc delivery .....	48
12.18	Starting the machine with interlocking guards open .....	48
13	Instruction handbook .....	48
13.1	Corrugated board machinery .....	48
13.2	Machines for the production of envelopes .....	49
	Bibliography .....	51

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## 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 12643-4 was prepared by Technical Committee ISO/TC 130, *Graphic technology*.

It is the intent of ISO/TC 130 that this first edition of ISO 12643-4 become applicable to new equipment manufactured from 2011-01-01.

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

- *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*

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## Introduction

The purpose of this part of ISO 12643 is to reduce the risk of injury to operating personnel working on converting equipment.

This part of ISO 12643 provides requirements for the design and construction of converting equipment used in the package printing, converting and graphic technology industries. It covers equipment not addressed by the other parts of ISO 12643. It is intended to be used in conjunction with ISO 12643-1 and provides additional requirements that are specific to converting equipment.

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 take into consideration the requirements of many countries, recognizing that national standards or laws may dictate national requirements. Cases where a national requirement was known to differ from this part of ISO 12643 have been noted.

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

ANSI/PMMI B155.1, *Safety Requirements for Packaging Machinery and Packaging-Related Converting Machinery*

EN 1010-4, *Safety of machinery — Safety requirements for the design and construction of printing and paper converting machines — Part 4: Bookbinding, paper converting and finishing machines*

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*