AMERICAN NATIONAL STANDARD

Safety standard— Binding and finishing systems

NPES THE ASSOCIATION FOR SUPPLIERS OF PRINTING, PUBLISHING AND CONVERTING TECHNOLOGIES

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ANSI B65.2-1999 Safety standard — Binding and finishing systems

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ANSI® B65.2-1999

Foreword

(This Foreword is not a part of American National Standard B65.2-1999, Safety standard — Binding and finishing systems)

This standard is a revision of B65.2-1988, *Safety Standard for Binding and Finishing Systems*. It incorporates significant changes which were made in an attempt to harmonize this ANSI standard with current European requirements and ISO standards under development. Such harmonization is important to facilitate international trade while adhering to U.S. safety regulations.

The B65 Committee was accredited by the American National Standards Institute in 1983 to develop safety standards for the printing and publishing industry.

The B65 Committee recommends the voluntary adoption and use of this standard by the printing industry and its suppliers. It is hoped that individual companies will not only use it in the purchase of new equipment, but will also apply the requirements of this standard during any major change or alteration to existing equipment.

It is recommended that this standard, or applicable parts of it, be referenced in purchase orders for binding and finishing equipment, when appropriate, thus making its provisions a part of the purchase contract.

It is also recommended that this standard be a part of the total safety program in the workplace. Application of this standard will promote safety and increase productivity, and management at all levels is urged to recommend its implementation.

Requests for interpretation must be sent in writing to the B65 Secretariat. This request will be forwarded to the appropriate committee, which will review the request in accordance with the B65 Committee Procedures for Interpretations and will provide a written response. A statement, written or oral, that is not processed in accordance with the procedures noted above will not be considered the official position of the B65 Committee, and should not be relied upon as a Formal Interpretation.

Suggestions for improving this standard are welcome. They should be sent to the B65 Secretariat, NPES The Association for Suppliers of Printing, Publishing and Converting Technologies, 1899 Preston White Drive, Reston, VA 20191-4367.

This standard was prepared by B65 Subcommittee 2 and was processed and approved for submittal to ANSI by the members of the B65 Committee. Committee approval of the standard does not necessarily imply that all committee members voted for its approval. At the time this standard was approved the leadership of the B65 Committee was as follows:

Chairman - Rial Potter Vice Chairman - Bob Kinson Secretary - Mary Abbott B65.2-1999 ANSI®

At the time it approved this standard, the B65 Committee had the following personnel:

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Baldwin Technology

Baumfolder

Bobst Group Inc.

Brandtjen & Kluge, Inc.

Dexter-Lawson Manufacturing

Didde Web Press

GMA

Goss Graphics Systems

Hallmark Cards

Heidelberg Web Systems

KBA-Motter Corporation

Komori America Corporation

MAN Roland Inc.

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National Association for Printing Leadership

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At the time it approved this standard, B65 Subcommittee 2 had the following personnel:

Co-Chairmen - Bob Kinson, Ray Kolata Secretary - Mary Abbott

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Introduction

The purpose of this standard is to reduce the risk of injury to personnel in binding and finishing operations during all phases of interfacing with the equipment.

This standard provides safety specifications for the design of binding and finishing system drive controls, safety signaling systems, mechanical safety devices and symbology, and for safe practices related to the use of this equipment.

This standard is intended to address protection from injury resulting from operation of binding and finishing systems, whether as a result of machine motion or exposure to other significant hazards (e.g., sharp knives, hot glue, etc.). It does not address hazards associated with electrical shock, fire, explosion, noise/sound levels or exposure to chemicals. Such hazards are addressed by other standards.

Advances in technology, especially in the binding and finishing processes as well as in controls and diagnostic systems, permit more complete guarding and application of interlocking guards with less interference with the process.

Although full implementation of the standard is intended for new equipment, portions of this standard also apply to existing equipment.

This standard encourages, and in some cases, requires consistency among equipment, especially in the area of controls and safety signaling systems.

Guidance for application to equipment employing older technology is contained in Annex A.

Notes found throughout the text of this standard are explanatory, and are not a part of the normative requirements of this standard.

This standard uses metric (SI) units. Inch equivalents can be obtained by using multiplying millimeters by 0.03937.

ANSI® B65.2-1999

ANSI B65.2-1999 Safety standard — Binding and finishing systems

1 Scope

This standard provides operational and mechanical safety specifications for the design and use of binding and finishing systems as defined in section 2, *Classification*.

This standard does not address other hazards such as shock, explosion, fire, noise/sound levels or exposure to chemicals.

2 Classification

Machines covered by this standard consist of those included in or affected by the control system of the binding or finishing configuration.

This standard does not address automated guided vehicles (AGVs), or equipment which is not part of the binding/finishing system, such as handtrucks, forklifts, etc.

3 Effective date

The provisions of this standard shall become effective one year from its date of approval by the American National Standards Institute (ANSI).

4 Field of application

4.1 New equipment

This standard shall apply to all newly manufactured binding and finishing equipment installed in the United States.

Equipment contracted for sale prior to the approval date of this standard or manufactured prior to the effective date of this standard shall be considered as existing equipment and shall meet the requirements of 4.2, Existing equipment.

4.2 Existing equipment

Existing equipment should be brought into compliance with this standard. At a minimum, existing equipment should comply with 4.2.1, 4.2.2 and 4.2.3 of this standard, or with safety measures which include equivalent, alternative protection against significant hazards. See section 16, *Additional operating safety guidelines*, for additional operating safety guidelines.

4.2.1 All existing equipment should have the following:

- a control system which includes a **stop/safe** or **stop/safe-ready** pushbutton in accordance with this standard or an earlier version of B65.2; and
- a safety signaling system in accordance with this standard.