ANSI/SPI B151.5-2000

for Plastic Film and Sheet Winding Machinery – Manufacture, Care and Use
American National Standard
for Plastic Film and Sheet Winding Machinery –

Manufacture, Care and Use

Secretariat

The Society of the Plastics Industry

Approved August 3, 2000

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Foreword  (This foreword is not part of American National Standard B151.5-2000.)

This standard is a revision of American National Standard for Plastics Machinery - Plastic Film and Sheet Winding Equipment - Construction, Care, and Use, ANSI B151.5-1982.

The standard was revised because:

1) The scope needed to be expanded and the titles modified;
2) Additional definitions were required;
3) Some paragraphs required modification and some paragraphs were added to conform more closely to change in technology;
4) Some paragraphs required modification for clarity and intent.

A standard treating the manufacture, care and use of web handling machines is complicated by the wide variety and sizes of machines manufactured and in use, and by the virtually infinite combinations of parts being produced, production methods being used, and operating conditions existing in industry today.

The primary objective of this standard is to minimize hazards to personnel associated with machine activity by establishing requirements for the manufacture, care and use of these machines. To accomplish this objective, a decision was made to approach the problem of machine safety as follows:

1) Eliminating by design certain recognized hazards and the establishment of standard approaches to design so those machines available from competitive manufacturers will have similar operational characteristics;
2) Safeguarding of the machine where recognized hazards cannot be designed out for technical or operational reasons;
3) Warning where elimination or safeguarding of hazards is not technically or operationally feasible.

To assist the interpretation of these requirements, responsibilities have been assigned to the manufacturer, re-manufacturer, the modifier, and the employer.

Recognizing the impossibility of updating equipment and changing operation methods allied with existing machines immediately after approval date of this standard, a 3-year period has been provided to employers for updating machines.

Recognizing the impossibility of immediate updating of design and manufacturing methods, Sections 4 and 6 shall become effective one year after the approval date of this standard.

Evidence of consensus on this standard was secured by use of the Canvass Method.

Suggestions for improvement of this standard will be welcome. They should be sent to The Society of the Plastics Industry, Inc., 1801 K Street NW, Suite 600, Washington, D.C. 20006-1301.

The Society of the Plastics Industry Extrusion Section - Standards Development Committee on Machinery Standards was responsible for developing this standard.
EXPLANATION OF STANDARD FORMAT

This standard uses a two-column format to provide both specific requirements and supporting information.

The left column, designated "Standard Requirements," is confined solely to these requirements and is printed in bold type. Where supporting photographs or sketches are required, they are designated as "figures".

The right column, designated "Explanatory Information," contains only information that is intended to clarify the standard. This is not a part of the standard. Where supplementary photographs or sketches are required, they are designated as "illustrations."

Operating rules (safe practices) are not included in either column unless they are of such a nature as to be vital safety requirements, equal in weight to other requirements or guides to assist in compliance with the standard.
AMERICAN NATIONAL STANDARD

American National Standard
for Plastic Film and Sheet Winding Machinery –

Manufacture, Care and Use

STANDARD REQUIREMENTS

1. Scope, Purpose, and Application

1.1 Scope

The requirement of this standard shall apply to all film and sheet winding machinery (Machinery).

Safety requirements of ancillary equipment used with the Machinery are not covered by this standard.

1.2 Purpose

The purpose of this standard is to identify and address known hazards to personnel working on, or adjacent to the Machinery.

1.3 Application

1.3.1 New Installation

The requirements of this standard pertaining to manufacture shall apply to all new or remanufactured Machinery installed in the United States of America. Compliance shall be achieved within one year of the approval date of this standard. Date of shipment (month and year) shall be affixed to the Machine permanently and legibly along with the name of the manufacturer or remanufacturer.

1.3.2 Existing Installations

The employer is responsible for bringing existing Machines into compliance with the requirements of this standard within three years of the approval date of this standard.

By the end of the three-year transition period, the 4-inch opening referred to in 5.3.1.1 shall be changed to 3 inches.

It is not the intent of this standard to require existing installations to be in total compliance with the latest revision of ANSI/NFPA 79-1997, Electrical Standard for Industrial Machinery. Only those requirements that address personnel safety require updating.

EXPLANATORY INFORMATION

E1.1 Scope

Inquiries with respect to the application or the substantive requirements of the standard should be addressed to the Society of the Plastics Industry, Inc., 1801 K Street, NW, Suite 600, Washington, DC 20006-1301.

E1.3.2 Existing Installations

Exceptions to the standard:

If modifications are required to achieve this reduced dimension, the employer is strongly encouraged to use a 3-inch opening if at all possible.