

ANSI/SPI B151.2-1999

# American National Standard

*for Plastic Film Casting Machinery –  
Manufacture, Care and Use*

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**ANSI/SPI B151.2-1999**

Revision and redesignation of  
ANSI B151.2-1982 (R1988)

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

Sponsor

**The Society of the Plastics Industry, Inc.**

Approved August 11, 1999

**American National Standards Institute, Inc.**

## American National Standard

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**Foreword** (This foreword is not part of American National Standard ANSI/SPI B151.2-1999.)

This standard is a revision of *American National Standard for Plastic Film Casting Machinery - Manufacture, Care and Use*, ANSI B151.2-1982.

The standard was revised because:

- 1) The scope needed to be expanded and the titles modified
- 2) Some illustrations required modification to conform to the text and some illustrations were deleted to permit design freedom
- 3) Additional definitions were required
- 4) Some paragraphs required modification and some paragraphs were added to conform more closely to changes in technology
- 5) 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) Eliminate by design certain recognized hazards and establish standard approaches to design, so that machines available from competitive manufacturers will have similar operational characteristics
- 2) Safeguard the machine where recognized hazards cannot be designed out for technical or operational reasons
- 3) Warn where elimination or safeguarding of hazards is not technically or operationally feasible

To assist in 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 the 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, 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 Machinery Division Extrusion Section - Standards Development Committee on Machinery Standards, which was responsible for developing this standard, had the following members:

D. Lounsbury, Chairman  
(Davis-Standards Corporation)

W. Bishop, Secretariat  
(Executive Director, SPI  
Machinery Division)

R. Monteith  
(Milacron, Inc.)

G. Godfrey  
(Black Clawson)

M. Mitchell  
(Welex, Inc.)

J. Rexford  
(HPM Corporation)

W. Wybenga  
(Brampton Engineering)

### **Explanation of Standard Format**

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

The left column, designated "Standard Requirement" 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 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 for Plastic Film Casting 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 casting, cast embossing, laminating and extrusion coating 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 manufacturer 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 with the following specific exception:

- the 4-inch dimension referred to in 3.1 and 5.3.1.2 shall be changed to 3 inches.

###### 1.3.3 *All Installations*

An employer shall not operate a Machine or permit it to be operated unless it is in compliance with this standard.

### 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:

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, *American National Standard Electrical Standard for Industrial Machinery*. Only the requirements that address personnel safety require updating.

If modifications are required to achieve this reduced dimension the employer is strongly encouraged to use 4-inches, if at all possible.