

# American National Standard

*for Machine Tools –  
Machines and Machinery Systems for  
Processing Strip, Sheet, or Plate  
from Coiled Configuration —  
Safety Requirements for  
Construction, Care, and Use*

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ANSI B11.18-1997



**American National Standards Institute**  
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Secretariat  
**AMT - The Association For Manufacturing Technology**

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## American National Standard

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## Contents

	<b>Page</b>
Foreword.....	iii
1 Scope, Purpose, Application .....	1
2 Normative References .....	8
3 Definitions .....	9
4 Responsibility .....	14
5 Hazards .....	19
6 Design and Construction .....	25
7 Installation and Start-up .....	28
8 Safeguarding.....	29
9 Care and Use.....	31
Annex A American National Standards .....	34
Annex B An Example of a Legend Plate Stating Capacities .....	35
Annex C Guidelines for Operator Training.....	36
Annex D Safety Messages and Graphics.....	37
Annex E Index.....	56

## **Foreword** (This Foreword is not part of American National Standard B11.18-199x.)

Recognizing the need for a safety standard for machines and machinery systems for the processing of strip, sheet, or plate from coiled configuration, American National Standards Committee B11 on Safety Standards for Machine Tools established Subcommittee B11.18 in 1980, to develop the safety requirements for such equipment. Because of the overlap between B11.14-1983 and B11.18-1985, a joint subcommittee was convened to address revision of both standards.

The subcommittee completed B11.18-1992, Machinery and Machine Systems for Processing Strip, Sheet, or Plate from Coiled Configuration - Safety Requirements for Construction, Care, and Use, and it was approved on October 27, 1992. The subcommittee next completed B11.14-1996, Slitting Machines - Safety Requirements for Construction, Care, and Use, and it was approved on 03/22/96. Because the subcommittee addressed both standards together, the overlap between the standards was substantially eliminated. Subsequently, the subcommittee undertook revision of B11.18-1992 to bring the standard into conformance with B11 Committee requirements on format and organization.

The primary objective of this standard is to eliminate injuries to personnel by establishing requirements for the construction, safeguarding, care and use of the machinery and machinery systems covered by this standard. To assist in the interpretation of these requirements, responsibilities have been assigned to the manufacturer, the rebuilder, the modifier, the user, and the employee.

The words "safe" and "safety" are not absolutes. Safety depends on many factors, including attitude. This standard is not intended to replace good judgment. Operator skill, training, experience, job monotony, and fatigue are all safety factors that must be considered.

The five annexes included in this standard are informative and are not considered part of the standard.

Inquiries or suggestions for improvement of the standard will be welcome. They should be sent to AMT - The Association For Manufacturing Technology, 7901 Westpark Drive, McLean, VA 22102-4206.

This standard was processed and approved for submittal to ANSI by American National Standards Committee on Safety Standards for Machine Tools, B11. Committee approval of the standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, the B11 Committee had the following members:

Theodore M. Wire, Chairman  
Charles A. Carlsson, Secretary

*Organization Represented*

*Name of Representative*

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Alliance of American Insurers	Glynn Rountree (A)
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	Al Walker (D)
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	Bruce C. Braker (A)
	Various Delegates Depending On The Standard

The subcommittee B11.18 on Safety Requirements for Construction, Care, and Use of Machines and Machinery Systems for Processing Strip, Sheet, or Plate from Coiled Configuration, which revised this standard, had the following members:

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Dennis R. Cloutier  
Chuck Damore  
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## ANSI B11.18-1997

### American National Standard for Machine Tools

#### Machines and Machinery Systems for Processing Strip, Sheet, or Plate from Coiled Configuration – Safety Requirements for Construction, Care, and Use

#### STANDARD REQUIREMENTS

#### EXPLANATORY INFORMATION

(Not part of ANSI B11.18-199X, *American National Standard for Machine Tools — Machines and machinery systems for processing strip, sheet, or plate from coiled configuration – Safety requirements for construction, care, and use.*)

#### 1 SCOPE, PURPOSE, APPLICATION.

##### 1.1 Scope.

This standard applies to machines, and groups of machines arranged in production systems, for processing coils of strip, sheet, or plate material through the machines that shape, size or otherwise convert the material into desired part or material configurations.

##### 1.2 Inclusions.

This standard covers the following machines and accessories, either individually or combined into coil processing systems:

##### E1.1 Scope.

The terms "strip, sheet or plate" are used interchangeably without dimensional implications.

Typical machinery systems include the following:

- Illustration 1 - Cut-to-length line;
- Illustration 2 - Press feed line;
- Illustration 3 - Slitting line.

##### E1.2 Inclusions.

A machine or accessory within the scope of this standard may be known by other names, including those listed in the following: