

# ANSI O1.1-2009



## for Woodworking Machinery Safety Requirements

Secretariat  
Wood Machinery Manufacturers of America® (WMMA®)

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**Forward (This forward is not part of American National Standard O1.1.)**

### **Historical Perspective**

The revision of the original Safety Code for Woodworking Machinery was approved in 1944. The Standards Committee was reorganized in 1952, and the scope of the standard was changed. A comprehensive revision of the section on cooperage machinery was completed and a new section dealing with radial-type saws was included. The resulting standard was issued in 1954 and reaffirmed in 1961. In 1969 the Standards Committee was again called and revised the 1954 (R1961) standard. The 1971 revision corrected and clarified several issues related to guarding and incorporated as a section of the standard an important head note in Section 6.1 of earlier versions of this standard.

The standard was again revised and issued in 1975. In 1979 an amendment was made to the 1975 edition. Subsequent updates were published in 1992, 2002, and 2004.

Prior to the 2004 edition, the committee adopted a resolution regarding the US Occupational Safety and Health Administration (OSHA). The resolution remains in agreement with this edition and is therefore reproduced here:

*Resolved: As the standards developed by this committee are relevant to the health and safety of workers in the wood working industry, and as this committee is charged with developing such standards and recognized for its expertise in wood working industry safety and machinery, it is the intent and expectation of this committee that newly published versions of standards developed by this committee be adopted by the US Department of Labor as regulations under the United States Occupational Safety and Health Act.*

The 2004 edition marked the beginning of a new process for the standard. Hereafter, the O1.1 standard will remain relatively static and new standards will be developed for specific machine within the scope of the O1.1 standard. Thus the O1.1 standard is considered an “umbrella” under which subsequent standards are developed.

### **Changes Found In This Version**

An effective date for the standard was added, making the new version effective one year after publication. Otherwise, changes to this edition are primarily editorial in nature.

Suggestions for improvement of this standard are welcome. They should be sent to the Wood Machinery Manufacturers of America, 100 North 20<sup>th</sup> Street, 4<sup>th</sup> Floor, Philadelphia, PA 19103-1443, [info@wmma.org](mailto:info@wmma.org).

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee O1. Committee approval of this standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, the ASC 01 had the following members:

**AMERICAN NATIONAL STANDARD**

**ANSI O1.1 (2009)**

Michael L. Gililland, Chairman	Wood Machinery Manufacturers of America
Mary Bauer	Occupational Safety and Health Administration
Giordano Checchi	Woodworking Machinery Industry Association
Brad Graves	Accu-Router, Inc.
Neal Growney (Alternate)	American Society of Safety Engineers
Dave Hanson	Safety Speed Cut Manufacturing
Wayne Hill	Power Tool Institute
Drew Hornick (Alternate)	Power Tool Institute
Jack Hyde	System Safety Society
Jim Laster	Newman Whitney
Chuck LeRoux	Andersen Corp.
Michael McKee	A.J. Gallagher RMS
Tom Onsrud	C.R. Onsrud
Richard Otterbein	Member At Large
Bill Perdue	American Home Furnishings Alliance
Tom Pilchowski	Member At Large
Bill Pritchard	Kitchen Cabinet Manufacturers Association
Richard Schafebook (Alternate)	Power Tool Institute
Don Snyder (Alternate)	Underwriters Laboratories
John Stimitz	Underwriters Laboratories
Richard Telech	United Brotherhood of Carpenters and Jointers of America
Richard Titus (Alternate)	Kitchen Cabinet Manufacturers Association
Al Weaver	American Society of Safety Engineers
Bob Woods	Masonite Corporation
Steve Ziegeweid	Ashley Furniture

(Committee List as of December 2009)

## STANDARD REQUIREMENTS

### 1 Scope, purpose, and application

#### 1.1 Scope

This standard covers the safety requirements for the design, installation, care and use of woodworking machinery and accessory equipment, used in industrial and commercial applications, having a total connected power of 5 hp (3.7kw) or greater, or having 3-phase wiring.

##### 1.1.1 Machine types excluded

Power tools intended to be handheld in use, assembly machines, finish application equipment, primary panel product manufacturing machinery, cooperage machinery, sawmills, and machinery covered by other American National Standards are excluded from this standard.

#### 1.2 Purpose

The purpose of this standard is to establish the safety requirements for the design, installation, care and use of woodworking machinery and accessory equipment covered by this standard.

#### 1.3 Applications

##### 1.3.1 Effective Date

EXPLANATORY NOTES (These notes are not a mandatory part of this standard)

#### E 1.1 Scope

Design of products outside of the scope of this standard and not specifically excluded in paragraph 1.1.1 are referred to ANSI/UL 987 or other standards covered by individual requirements.

Governmental, educational, and similar institutions as well as business establishments are considered commercial applications in this standard.

##### E 1.1.1 Machine types excluded

Primary panel product manufacturing machines are referred to as panel mills or board mills. Panel products as identified in this standard are plywood, particle board, medium density fiberboard, chip board, straw board, oriented strand board, pressed board, and similar products made from wood, wood chips or wood fiber.

E1.3 This standard should be applied to machines for which there is no machine-specific standard within this ANSI O1 series. If such standard exists, it supersedes this standard.