

SINGAPORE STANDARD

CP 42 : 1988 (1999)

(ICS 13.110; 79.120.10)

CODE OF PRACTICE FOR

Guarding and safe use of woodworking machinery

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SINGAPORE STANDARD
CODE OF PRACTICE FOR GUARDING AND SAFE USE OF
WOODWORKING MACHINERY

FOREWORD

This Code of Practice was drawn up by the Technical Committee for Guarding and Safe Use of Woodworking Machinery under the authority of the Industrial Safety Practice Committee.

This Code establishes the safety criteria with respect to the design, installation and maintenance, and the operation of powered machines which cut, abrade or process wood products and like materials. The Code generally provides guidelines for the guarding and safe operation of woodworking machines. The installation, operation and maintenance aspect of such machinery shall be carried out by skilled and experienced personnel. Attention is also drawn to the necessity for compliance with the various regulations of the relevant statutory authority e.g. The Factories Act, 1973; Clean Air Act, 1971; etc.

In preparing this Code, reference was made to the following:

1. AS 1473 – 1974 – Code of Practice for the Guarding and Safe Use of Woodworking Machinery
2. ANSI 01.1 – 1975 – Safety Requirements for Woodworking Machinery
3. The British Woodworking Machines Regulations 1974 of UK Factories Act 1961
4. Health and Safety at Work Booklet No. 41 'Safety in the Use of Woodworking Machines' published by Her Majesty's Stationery Office
5. Woodworking Machines, SHW 279 published by Health and Safety Executive, HM Factory Inspectorate

Acknowledgement is made for the use of information from the above references.

NOTE

1. Singapore Standards are subject to periodical review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue either of amendment slips or of revised editions.
2. Compliance with a Singapore Standard does not exempt users from legal obligations.

1. SCOPE, PURPOSE AND DEFINITIONS

1.1 Scope. This Code applies to the guarding and safe use of powered machines which cut, abrade or process wood products and like materials.

It includes requirements for installation, machine design, control, dust and waste collection, feeding devices and carriages, specific guarding of machines, inspection and maintenance, and selection, training and supervision of operators.

1.2 Purpose. The purpose of the Code is to define desirable standards of practice for the guarding and safe use of woodworking machinery, for the guidance of employers, employees, makers of woodworking machinery and other persons having influence on the conduct of woodworking machine operations.

1.3 Definitions. For the purpose of this Code, the following definitions shall apply:

1.3.1 Woodworking machine. A machine driven by other than manual power, which cuts, abrades or processes wood, wood products and like materials.

1.3.2 'Shall' and 'Should'. In this Code, the word 'shall' indicates a requirement that is to be adopted in order to comply with the Code while the word 'should' indicates a recommended practice.

2. MACHINE INSTALLATION

2.1 Foundations. The foundation and floor of every workplace shall be of sufficient strength to sustain the load of the machine and no foundation or floor shall be overloaded. Every machine should be fixed or located on the foundation such that it is stable and secured against undesirable movement.

2.2 Work Places And Means Of Access. Work places and means of access shall comply with the relevant provisions of the Factories Act 1973.

2.3 Working Area. Machines shall be so placed that there will be sufficient space in which to handle the work with minimum interference from other operations. The layout of the machines shall be in accordance with Singapore Standard CP 27.

2.4 Lighting. Adequate illumination of the working area shall be provided by natural and/or artificial means. Lighting shall be in accordance with Singapore Standard CP 38.

2.5 Electrical Wiring. Electrical wiring and equipment shall be in accordance with Singapore Standard CP 5.

2.6 Isolating Control. Each machine installation shall incorporate a device for disconnecting all motive power from it. Such a device should have means for locking it in the 'off' position. The isolating control should be mounted in an accessible position on the machine, except that where this is not practicable, it shall be mounted in a prominent, accessible position as close as possible to the machine.

2.7 Indication of Power On. Consideration should be given to the use, on large multi-purpose machines, of an automatic device to indicate when the power has been switched on.