

JIS

JAPANESE INDUSTRIAL STANDARD

General Code of Safety
for Machine Tools

JIS B 6014 —1980

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General Code of Safety
for Machine Tools

B 6014-1980

1. Scope

This Japanese Industrial Standard provides the general rules governing safeguarding apparatus and safeguarding measures to be applied to the machine tools and machining operations. However, the rules which are governed by the national regulations are excluded from this standard.

The machines which are to be held in hands or fixed in a magnet stand during operation are to be covered by this standard.

2. Definitions

The principal terms used in this standard are as defined below:

- (1) machine tool As specified in JIS B 0105.
- (2) safeguarding An action to prevent persons from injuries.

Applicable Standards:

JIS B 0105-Glossary for Machine Tools

JIS B 6011-Direction of Operation of Machine Tool Controls

JIS B 6012-Symbols for Indications Appearing on Machine Tools

JIS Z 9110-Recommended Levels of Illumination

Reference Standard: BS 5304-Safeguarding of Machinery

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- (3) manufacturer A person or a company in the business of designing, manufacturing, repairing or remodelling machine tools and safeguarding apparatus or safeguarding measures relevant to the machine tools.
- (4) supplier A person or a company in the business of buying and selling or renting machine tools and safeguarding apparatus or safeguarding measures relevant to the machine tools.
- (5) operator A person who machines by himself by operating machine tools or by watching them. This term includes one who maintains and inspects machine tools as well as safeguarding apparatus or safeguarding measures relevant to them.
- (6) supervisor A person who makes the operator to use, to maintain and to inspect machine tools. This term includes a person who has installed the machine tools in order to make operator to use them.
- (7) disinterested person A man, other than operator, who stands in the vicinity of the danger point or danger area.
- (8) danger A condition in which an occurrence of injury is theoretically or experimentally foreseeable.
- (9) danger part A part of a machine tool or its accessory, tool or worked piece where is the possibility of an injury is anticipated as occurring.
- (10) danger point A particularly limited place where possibility of danger is anticipated as extremely high.
- (11) danger area An area where possibility of danger is anticipated.
- (12) safeguarding apparatus An apparatus (hardware) which has been functionated for safeguarding.
- (13) safeguarding measure Means and method (software) for establishing safeguarding.
- (14) safeguard An enclosure having a function of preventing persons from access to a danger point or coming into a danger area (as protective fence, safety cover, etc.). It constitutes one of the safeguarding apparatus.

3. General Code of Safeguarding for Machine Tools

- (1) The manufacturers, suppliers, supervisors and operators shall take appropriate measures, based on this standard, to prevent persons from injuries which will be likely to be caused by machine tools and machining processes.