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SYNOPSIS OF INDIAN STANDARDS

Number and Title of the Indian Standard:	IS 17277 (Part 1) : 2019 ISO 16092-1 : 2017 Machine tools safety — Presses — Part 1 : General safety requirements
a. Scope:	<p>This document specifies technical safety requirements and measures to be adopted by persons undertaking the design, manufacture and supply of presses which are intended to work cold metal or material partly of cold metal, but which can be used in the same way to work other sheet materials (e.g. cardboard, plastic, rubber, leather, etc.).</p> <p>The requirements in this document take account of intended use, as defined in ISO 12100:2010, 3.23, as well as reasonably foreseeable misuse, as defined in ISO 12100:2010, 3.24. This document presumes access to the press from all directions, deals with all significant hazards during the various phases of the life of the machine described in <u>Clause 4</u>, and specifies the safety measures for both the operator and other exposed persons.</p> <p>This document applies to presses which can function independently and can also be used as a guide for the design of presses which are intended to be integrated in a manufacturing system.</p> <p>The covered presses transmit force mechanically to cut, form, or work cold metal or other sheet materials by means of tools or dies attached to or operated by slides/ram in range in size from small high speed machines with a single operator producing small workpieces to large relatively slow speed machines with several operators and large workpieces.</p> <p>This document does not cover machines whose principal designed purpose is:</p> <ul style="list-style-type: none"><li>a) metal cutting by guillotine;</li><li>b) attaching a fastener, e.g. riveting, stapling or stitching;</li><li>c) bending or folding by press brakes or folding machines;</li><li>d) straightening;</li><li>e) turret punch pressing;</li><li>f) extruding;</li><li>g) drop forging or drop stamping;</li><li>h) compaction of metal powder;</li><li>i) single purpose punching machines designed exclusively for profiles, e.g. used in the construction industry;</li><li>j) spot welding;</li><li>k) tube bending;</li><li>l) working by pneumatic hammer.</li></ul> <p>This document does not cover hazards related to the use of presses in explosive atmospheres.</p> <p>This document covers the safety requirements related to the use of programmable electronic systems (PES) and programmable pneumatic</p>