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ABSTRACT OF THE DISCLOSURE

A control apparatus 100 for a machine tool comprises input means 1 for inputting machining profile data 1a on the final profile of a work and workpiece data 1b on the material and profile of the workpiece to be machined, data storage means 3 for storing at least one of machine data representing machine specifications of the machine tool 11 for machining the work and tool data representing the specifications of the tools held in the machine tool, and tool path determining means 5 for generating a tool path for machining the work and determining the conditions for machining the work including the rotational speed of the main spindle and the feed rate of the machine tool 11 based on the data input from said input means and the data stored in said data storage means.

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