

(54) Title of the invention : AUTOMATIC MATERIAL REMOVING MACHINE

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(57) Abstract :
 The present invention provides an automatic material-removing machine for removing material for getting the desired shape. The machine is economical. The machine allows the user to define or set the trajectory. the machine (100) includes comprises a user interface, storage, a piston-cylinder arrangement, a metal removing tool, at least one sensor, a controller, a flow control valve, and conduits. the fluid pressure inside the cylinder is controlled by a controller using a flow control valve based upon predefined movements of the metal removing tool in order to get the controlled piston movements for moving the metal removing tool in a required manner for shaping the workpiece. A primary machine is a drilling machine, boring machine, lathe machine, shaper machine, gear shaping machine. Further, the metal removing tool is a lathe machine tool, a gear, a drill bit, a boring tool.

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