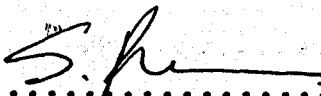



Thesis Title : CNC Lathe Controller

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ABSTRACT

The CNC lathe controller uses the basic codes that is necessary for the movement of cutting tools. The basic G codes are based on the International Standard Organization (ISO) that will be very useful for using with any CNC machines. This CNC lathe controller uses a microprocessor PC/XT/AT as the central processing unit (CPU) for entering any code programs such as a program from CAD/CAM design and it is very helpful for Computer Integrated Manufacturing (CIM) or factory automation. The CNC lathe controller was installed to EMCO compact 5 CNC lathe. The result of testing for machining accuracy is ± 0.03 mm.