DESIGN AND BUILDING STEPPER MOTOR CONTROLLER SOFTWARE FOR CNC COMPACT 5 PC MACHINE

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Abstract

Machining process requirement that easier and quickly in process of production in this time push using CNC machine as a means of assist the production which must in every industry. Knowledge and understanding how to work and programming CNC is absolute known, so that will support the uses CNC as a means of assist in industrial world.

CNC Compact 5 PC machine is one of elementary training of machine CNC. Damage at hardware and not function it old software push the importance of made by a new controller software for the machine of the CNC. Pursuant input data from software converter Autocad and component of hardware which is also made for the machine that hence designed by a new software of link from both. This new software making assisted by using software Delphi. Software examination conducted with two way that is simulation each G-code of devide and making object work using aluminium from the G-code.

The result that got is a new software to control turning process by CNC Compact 5 PC machine. With the existence of this new software will assist in course of study and understanding the way of job and programming CNC machine.

Key words : CNC Compact 5 PC machine, new software, stepper motor.