MANUFACTURE OF COMPONENTS

ON CNC LATHE

by

PARASKEVAS PARASKEVA

Project Report

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Project Supervisor: Dr L.G. Lazari

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Paraskevas Paraskeva

3rd year student in

Mechanical Engineering

H.T.I.

ABSTRACT

This project deals with the Manufacturing of wooden components on a CNC lathe.

First, the basic theory of the project was prepared with CNC technology, following a general study of EMCO COMPACT 5 CNC with its operating elements. Coordinate system, programming and program input characteristics. Also the tape preparation alarm signs, type of interpolation, canned cycles and subroutines are described as well as the working data and Tooling System. This project was extended to a brief description of programming languages Tool monitoring and CNC future in the industry.

The main part of this project is the part programming for the manufacture of wooden components of these components which involves two excersices, followed by the manufacture of these components from a wooden bar.

Finally, a cost analysis is prepared and some conclusions relatives to the work carried out in this project.

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