

HIGHER TECHNICAL INSTITUTE

Mechanical Engineering Course

Diploma Project

Manufacture of Component on a CNC Lathe

M/608

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June 1992

HIGHER TECHNICAL INSTITUTE	PROJECT NO
	2065

ABSTRACT

This project deals with the manufacturing of component on a CNC Lathe.

In order to be able to proceed all the information concerning the EMCO COMPACT 5 CNC were utilized such as machine tool/control system, operation element, coordinate system, programming characteristics. Also measuring system, tape preparation alarm signs, coded data, type of interpolation, canned cycles and subroutines are described.

Precise knowledge of programming language and peculiarities of the control and those item which influence programming.

Finally a cost analysis is prepared and some conclusions relative to the project work and also the appendices and references.

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Abstract

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