

DESIGN OF A PORTABLE MACHINE TOOL

M/863

by

Nicolaos Mirachis

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INTRODUCTION

According to the objectives of the Portable Machine Tool the following work studies existing machine tool designs, then suggests designs of a portable machine tool, evaluates the selected design and all the engineering drawings are constructed according to ISO standards.

This project work consists of three parts:

The Need analysis phase begins with what we have to design, our need, and then we have a study about existing machine tool designs from the very beginning of the their invasion.

In the Creativity phase we analyze our solutions we have made and through the optimization techniques we are focused only in one, our final solution.

Then it follows the Engineering design in which the final solution is analyzed with strength analysis, engineering drawings, catalogues, etc. then we have the cost analysis, from prices that were taken from manufacturers and dealers.

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