



**THE DEVELOPMENT OF A CASE-MOULD FOR RUBBER GLOVE PRODUCT
USING CAD-CAM SOFTWARE**

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ABSTRACT

In many application and production of ceramic industry, engineering people need high technology solution in developing and producing ceramic product. Due to Economic reason and difficulties in machining complex contour and surface finish will often lead to a decision against the ceramic production. This development requires a change of view in the field of production strategies. Especially to make the efforts in the area of development complex design, near net shape processing and parting line consideration. Development by CAD/CAM system and CNC machine will be an economic alternative production due to the technological potential of the manufacturing process in the white ware ceramic product. This paper will present the condition of master-mould development in economic production, high productivity and quality of the complex design by the use of CAD/CAM system and CNC machine instead of using conventional technologies.

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CHAPTER 1

INTRODUCTION

1.0 Introduction

CAD (Computer Aided Design) and CAM (Computer Aided Manufacturing) is computer graphics software most commonly used in industries. It is user-friendly software using the computer memory capacity, fast processing speed with interactive graphics capable to automate and tie together. CAD is used to build up models or parts in form of 3D solid modeling or wire-frame based on the system ability. Then it can be converted to 2D drawing in orthographic or isometric form of standard drawing. The software allows for easy modification such as moving, magnifying, rotating, flipping, copy, erase, mirror and any changing in design. Next, CAM is used in the shop floor factory level to produce the design product. In general it generates NC programming and tool paths milling for machining processes by manipulating CAD modeling based on physical models [1].