

Thesis Title	A study of needs and problems of using computer of the mold industry in Bangkok and subberg.
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Abstract

The purpose of this research was to study the status of the computer technology and the characteristic of the staffs in the mold industry. Moreover, to study the needs and problems in using computers. The hypotheses of this study were 1) By applying computer application system in the mold industry can help employer to work and improve the rapid of works. 2) The graduates from molding field were finely able to work in the mold industry. 3) There were significant need of using computer in the mold industry business.

To recive the answer, this research applied the descriptive research method. This research used the questionnaires of the 0.85 α C.I. The questionnaires are designed into 4 parts. 1) Personal data. 2) Mold industry in general data. 3) Status of computer using in mold industry. 4) Problem of using computer in mold industry business. There are 65 samples which sampling from 112 significant. (Have listing from member of mold & die industry association in Thailand.)

The results of this research could be summarized this as following : Most industries used computer for the designing and drawing operation as well as controlling the automatic machine programe. The most popular programes of designing and drawing were Auto CAD R14, AutoCAD R12-R13 and Mechanical Desktop 3-4, respectively. And for the automatic controlling programe were Unix Grapfic Master CAM, CARMAX and Surf CAM, respectively.

The results indicated that the CNC Wire cut, Machining Center and the CNC Milling were the machine which mostly controlled by computer. The age of the staffs was 25 – 40 years old. The education of them was under the certificated level. There were needs for using computer especially in the section of designing-drawing and the production in all the mold industries. There was using computer for administration at the middle level. and for the communication at the low level. The high speed processor was the outstanding requirement for the operating computer in the industry. For problems of using computer, there are 3 aspects. Firstly , hardware and the speed of the processor are not high enough for operating the large programe. Secondly, software is too expensive and complex. Moreover, to operate the user need to be experting in the programs. Finally, in people ware , the operator had less knowledge and skill to operate in computer programed.

Keywords : The status of needs and problems of using computer in the mold industry / industries / subberg / mold / metallic-mold / plastic-mold.