

Name : Chaiya Poonsuvan  
Thesis Title : Qualified Skillworkers to Make Injection Molds in  
Factories in the Bangkok and the Surrounding Areas.  
Thesis Advisors : Assoc.Prof.Banleng Sornil, Asst.Prof.Thonglor Sukmaha  
Academic year : 1991

### Abstract

The injection mold industry in our country has grown in recent years. However, it is unable to make injection molds which are accurate and efficient. This is because the mold makers lack knowledge, skills and experiences while a development of manpower is't to a group industry.

The aim of this research was to study the quality and competence desirable for mold makers, the shortage of labours, the type of labour required and how they might be trained appropriately.

The procedure: Data was collected by interview with factory owner's and the workers involved in mold making from a sample group of 20 factories in the Bangkok and surrounding areas. The data was stastically analysed by frequency, percent, mode and median.

It was found that mold makers should have skills in reading drawings of injection molds and in operating EDM machines. They should also have responsible work habit. They should be qualified mainterance for machines and machine tools. They found out that the most out put of injection molded compenents were used in electrical appliances. The tolerance of parts product was found to be 0.05 mm. They used some standard parts in assembly, Every factory had vertical milling machine, lathes, EDM machines and drills. These skill workers were educated to P.4-M.6 level and mechanics in machinery factory. The problem was they lack responsibility and basic skills. Most factories wanted 5-10 mold makers and repairer. The training of appropriate skilled worker should be a joint venture between school and factories ready but many factories were not ready to enter such a project.