



GENERAL MOTORS

Proposal for the optimization of mold and matrix machining processes

Motivation

The GMB showed the need for deepening the machining knowledge in order to, with the use of existing resources, find more modern cutting strategies in which a better combination of parameters can be adopted for improvements in the milling process of dies and molds .

Objective

To optimize the steps of roughing and finishing the milling process of stamping dies and injection molds in Tooling GMB, the objective is, through the optimization of machining processes both in programming, and through the choice of strategies and appropriate cutting parameters, 20% of the manufacturing time reductions for the project study situations

Approach

Information gathering programming procedures (definition of machining strategies) and defining parameters milling process of plastic injection molding and milling and stamping dies Analysis of machining strategies and process parameters.



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