Modern technologies give to the CAM engineers more opportunities and benefits. The paper presents the real results obtained using the i-machining strategies from SOLID CAM software. It underlines the modality how was implemented and the time comparison between the classical CAM milling strategies versus the i-machining strategies adapted on real parts.

INTRODUCTION

*When we start to create a NC technology, we will make an analysis of the input data’s (materials, technical drawing, characteristics of the CNC machine-tools, cutting tools, fixtures), in relation to the final goal: accuracy, functionality, time of manufacturing, costs.*

*After that, we will define the technological process: defining the fixtures of the raw part, the operations and the technological phases, the cutting tools parameters, the control systems.*

CONCLUSION

*The best way to machine a part depends on the specific geometry, the material and the available tools and machines. Technology parameters like cutting data and feed rates must be precisely adjusted to the machining operation.*

*Regarding the test part that was chosen regarding to apply the benefit of CAM applications, was presented a new and interesting modality how to manufacturing one technical complex part what require a CNC milling center in five axes. Made an analysis what CNC machine tools exist and putting in value the capabilities of the CAM software and the impact of the new milling strategies was obtained the optimal manufacturing solution.*

LITERATURE


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