

Methodology to utilize CAM systems in execution of glass jewelry

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Abstract

Computer technology has achieved tremendous success regarding design and productivity requirements in various branches of science and arts, contributing to the development and progress of design and production systems in general. The field of glass jewelry is one of the important fields in which computer can play an influential role in the design and production.

In context of the updates that have emerged in the design and manufacturing programs, it is necessary to change the manufacturing or implementation methods to take full advantage of these programs potentials, especially in the field of glass jewelry such as building models, forming molds, forming the external structure of the product and shaping the surface appearance.

The research problem was detected as the lack of use of CAM systems in solving the problems and applications of glass jewelry production. The objective of the research is to activate CAM systems in a methodological setting for the implementation of glass jewelry.

The research hypothesizes that by activating the potential of the CAM systems, the foundations and considerations for implementation of the glass jewelry can be established with the aim of reaching a methodology for utilizing the CAM systems in their implementation. The research is importance is developing and enriching the field of implementation and manufacture of glass jewelry using computer systems.

The research dealt with a number of axes which include the use of CAM systems in implementation of glass jewelry, aiming to a methodology for their implementation using CAM systems and producing some glass jewelry products in context of the proposed methodology for implementation.

Keywords:

Execution Methodology- Computer Systems CAM- Glass Jewelry