

Research on advanced computer systems for smart manufacturing of injection molding polymeric products

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Abstract:

The scientific paper presents the results of research on the application of advanced information systems to smart manufacturing of injection molding polymeric products. It presents the industrial process for which the most advanced useful applicable information systems in this field have been implemented. It presents the place and role of modern information systems in the context of an advanced information system with application to SMART industrial processes for the production of polymer products injected into the mold. The computer system as an important part of the injection process of polymeric products leads to process optimizations, research that the authors presented to the model, and subsequently optimize specific processes. The scientific paper is a pragmatic contribution to the implementation at the industrial level of smart manufacturing strategies of injection molding polymeric products.