

Abstract

This thesis deals with the design of an automated control system for in-line stamping production using the hot stamping technique to ensure high quality of manufactured products.

In the work, the selection of necessary technological equipment for the implementation of this automated system, the theoretical calculation of the settings for the controller of this system using the D-partition method was performed. This method is used to determine the parameters at which the system would be stable. Moreover a SCADA system was developed for convenient tracking and control stamping process by the operator.