

SUMMARY

Diploma project is executed on 53 pages contains 16 figures and 6 tables.

In this work the electromechanical system of traffic control rod injection device. Studied her work with indirect vector control. In the software environment Matlab (Simulink) model of injection device, which includes a drive motor 4A132S4U3 and indirect vector control algorithm algorithms has been created.. The graphs that characterize working processes of motor and the system in general have been obtained with simulation.

The electric drive that meets the requirements of the system has been chosen from the catalog. The conclusion has been made.

INJECTION DEVICE, EXTRUDER, FREQUENCY CONVERTER, INDUCTION MOTORS, VECTOR CONTROL, ENCODER.

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	Letter	№ of doc.	Sign.	Дата	Stock injection device velocity control of electromechanical system			
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