

ABSTRACT

The diploma project is executed on 75 pages and contains 23 drawings, 4 tables, 3 graphic part sheets A1 and 2 attachments

The purpose of this diploma project is the development and research of the electric drive of the automatic labeling machine for the non-alcoholic beverage line, the deepening of knowledge in the field of the theory of automated electromechanical systems and the development of professional skills.

In order to achieve this goal, the following main tasks were solved: an analytical review of the labeling machines was carried out, the calculation of power and the choice of the electric motor of the machine, as well as the frequency converter, the system of vector control of the electric drive was designed, the issues of automation of the technological process were considered, the dynamics of the operation of the electric drive were studied in the process of setting and disturbing action

The calculation and implementation of this diploma project were provided using the following programs: MATLAB, Microsoft Office Word, Microsoft Office Visio.

AUTOMATIC LABELING MACHINE, ASYNCHRONOUS MOTOR,
FREQUENCY CONVERTOR, VECTOR CONTROL, SYNTHESIS OF THE
CONTROL SYSTEM, MODELING, AUTOMATION

					6.050702.4221.027.БР					
Изм.	Лист	№ докум.	Підпис	Дата	Automatic labeling machine electric drive <i>SUMMARY</i>					
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