

SUMMARY

The diploma project comprises: pages, 12 figures, 11 tables, 2 appendix, and the graphical part on 3 pages A1.

The automation of the process of the universal split-cutting machine for bagels products and the technological scheme have been developed in this diploma project. The logic synthesis of the technological process of the machine was performed, which resulted in obtaining logical equations on the basis of the method of RS-triggers. According to the results of the synthesis, the program for the PLC frequency converter NORDAC SK 530E was compiled.

FREQUENCY CONVERTER, INDUCTION MOTOR, AUTOMATION, LOGIC SYNTHESIS, RS-TRIGGER, LOGICAL EQUATION, PLC EQUATION, PLC PROGRAMMING, ALGORITHM OF WORK.

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