

## **ABSTRACT**

of the graduation project

**«Galvanic shop Aircraft Factory. Development Process Application of zinc coating on steel parts in an automatic avtooperatorniy line »**

finished by the student of Department of Electrochemical Plants Technology

**Dubina Ganna R.**

Technology of zing-plating of steel in automatic galvanic line with productivity of 300000 m<sup>2</sup>/year was developed in purpose to defend steel details from corrosion. During conducted resource was made c alculatation of technological process. Coating of zing-plate produced from zined electrolyte with 1 – 2,5 A/dm<sup>2</sup> anode density of current.

Protection methods, methods of automation of production are foreseen, economical indexes of enterprise are calculated, method of cleaning of sewage is offered.

The project provides safety measures, automation solutions, calculation of technical and economic parameters of the enterprise and method of wastewater treatment.

**Keywords:** galvanic coating, zinc, galvanic bath, cathode rod, avtooperator, automation of process parameters, sewage treatment.