

ABSTRACT

«Electroplating in engineering. The development of zinc coating technology brought on steel parts in a drum».

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Diploma project, 2018. Number of pages – 80 , tables – 19 , pictures – 4 and literature – 21.

The technology of galvanic coating of zinc coating in a drum to protect steel parts from corrosion has been developed with the productivity of 11 000 m²/year. The calculation of the technological process has been carried out. Zinc deposition on the parts is carried out in the ammonium electrolyte inside the drum. Constructive and technological calculations have been carried out, the appropriate equipment has been selected in this project. It includes measures on labor protection, automation of production, technical and economic indicators of the developed technology have been calculated and the scheme of wastewater purification has been offered.

Keywords: galvanic coatings, corrosion, ammonium electrolyte, galvanic bath, drum, automation of production, wastewater.

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