## **ABSTRACT**

Galvanic coatings in machine engineering. Development of technical process of application of zinc coating on steel small parts.

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For improoving the corrosion resistance of steel parts the technical process of zinc plating with production 9 000 m $^2$ /year has been developed. Calculation of technological process has been realeased. Metal deposition takes place from sulphate electrolyte at cathodic current density 2 A/m $^2$ .

The project envisages measures for safety, automation, calculated the cost of 1m<sup>2</sup> finished surfaces, waste water purification scheme is proposed.

Key words: galvanic coatings, zinc, current density, sulphate electrolyte, drumtype electrolyser, production automation, waste water purification.