

ABSTRACT

Galvanic coatings in machine engineering. Development of technical process of cadmium plating on steel parts.

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In the diploma project, the development of technology for applying protective cadmium coating on steel parts was developed to protect them from corrosion in a marine environment. The annual output of the galvanic workshop is 12000 sq m/year.

For the galvanic enterprise the scheme of automation of the galvanic line, crop process, purification of waste water by the reagent method was developed, the basic technical and economic indicators were calculated, to determine the profitability of the shop, the proposed measures for the protection of labor.

Key words: GALVANIC SHEETING COATINGS, CADMIUM, CORROSION, ELECTROLYSIS, EQUIPMENT, SULFATE ELECTROLYTE, SCHEME OF AUTOMATION, TECHNICAL AND ECONOMIC INDICATORS, SEWAGE.