

ABSTRACT

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

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For steel parts protection from the corrosive action the technical process of cadmium plating with production 19000 sq m/year has been developed. Calculation of technological process has been realized. Metal deposition takes place from sulfuric electrolyte at the current density 0,5...1 A/sq dm.

In the work the actions about protection of labor and production automation is foreseen, performance indicators are calculated, waste water purification scheme is proposed.

Key words: GALVANIC COATINGS, CADMIUM, CORROSION, CURRENT DENSITY, SULFURIC ELECTROLYTE, PRODUCTION AUTOMATION, WASTE WATER PURIFICATION.

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