

ABSTRACT

"Galvanic coatings in machine building. Development of technology for applying cadmium coating to small steel parts »

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The diploma project has developed a technology for applying cadmium coating to small steel parts, to protect against corrosion. Cadmium precipitation is made from ammonium electrolyte chloride at a cathode current density of 1 A / dm². The design has made constructive and technological calculations, selected the appropriate equipment, developed the scheme of automatic regulation of the process of cadmium. Performed economic calculations, defined wages. The project uses a wastewater treatment scheme using a reagent method, analyzes hazardous and hazardous production factors and identifies measures for safety and health protection.

Key words: cadmium, galvanic bath, electrolyte, drum, details, voltage balance, electrolysis, reagent method, corrosion.