

## ABSTRACT

Galvanic coatings in machine building. Development of the technological process of applying protective and decorative zinc coating on steel parts.

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literature - 17.

The project developed a technological process of applying zinc coatings of 18  $\mu\text{m}$  in steel parts. Zinc-plating is carried out in chlorammonium electrolyte at a temperature of 18-30  $^{\circ}\text{C}$ , anode current density 2A /  $\text{dm}^2$ .

The project carried out constructive and technological calculations, selected relevant equipment, developed a scheme for automatic control of the process of zinc plating. Calculations of energy economy, wages and technical and economic indicators have been made. The project uses the scheme of sewage treatment reagent method, analyzed harmful and dangerous production factors and proposed measures for safety and occupational safety.

Keywords: galvanic coatings, zinc plating, chlorammonium electrolyte, stationary bath, current density, sewage treatment.

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