

ABSTRACT

«Electroplating in instrument engineering. The development of zinc coating technology brought on steel parts in the drum-type electrolyzer».

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For protection of steel parts from corrosion, the technology of galvanic coating of zinc coating in a drum with a productivity of 14,000 m² / year has been developed. The calculation of the technological process is carried out. The zinc deposition on the part is carried out in the ammonium electrolyte in the drum-type electrolyzer. The project carried out constructive and technological calculations, selected relevant equipment. The project includes measures on labor protection, automation of production, technical and economic indicators of the developed technology and the proposed scheme of wastewater treatment.

Key words: corrosion protection, galvanic coatings, ammonium electrolyte, galvanic bath, drum-type electrolyzer, zincs plating of small parts, automation circuit.