

ABSTRACT

«Galvanic coatings in instrument making. Development of technology for tin deposition on a conductive drawing of printed circuit boards»

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The project developed a technology for tin deposition on a conductive design of printed circuit boards. The deposition is carried out in a sulfate electrolyte at a cathode current density of 2 A/dm^2 , at a temperature of 18-25 °C. The project carried out constructive and technological calculations, developed a scheme for automatic regulation of the process of tin. Techno-economic calculations have been carried out, a scheme of wastewater treatment with a reagent method has been proposed, harmful and hazardous production factors have been analyzed, and measures for safety and health protection have been proposed.

Key words: printed circuit board, glass fiber, scattering ability, milling, metal resin, sulfate, electrolyte, reagent method.

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Змн.	Арк.	№ докум.	Підпис	Дата		3