

ABSTRACT

Electroplating in aircraft. The technology forming ematal coating and aluminum parts.

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Diploma project in 2017. Number of pages - 105 tables - 22 drawings - 5 references - 14.

The project developed a manufacturing process of forming ematal coating thickness of 8 microns in detail, which is a dashboard in the cockpit. Ematalyuvannya performed with a stationary oxalate electrolyte bath at a temperature of 40-50 ° C, voltage 120V.

The project conducted design and engineering calculations, selected the appropriate equipment, developed a scheme of automatic regulation of ematalyuvannya. Calculations of energy management, payroll and technical and economic indicators. The draft scheme used wastewater treatment method combined, analyzed harmful and dangerous production factors and proposed measures for safety and health.

Keywords: ematalyuvannya, aluminum alloy, process, galvanic baths, voltage, electrolyte oxalate.

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