

ABSTRACT

of the graduation project

«Galvanic department instrument factory. Development Process galvanic copper plating pre printed wiring boards in an automatic avtooperatorniy line»

finished by the student of Department of Electrochemical Plants Technology

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The technological process prior galvanic copper plating of printed wiring boards in an automatic avtooperatorniy line capacity of 110 000 units/year. Our calculation process. Precipitation shiny copper coating occurs with sulfate electrolyte with additives Cupracid TP Einebner, Cupracid Glanzzusatz at cathode current density of 2,5 A/dm².

The project provided safety measures and technical security, automation, the calculated cost of production and technical and economic performance of proposed scheme wastewater treatment.

Keywords: printed circuit board, metallization, current density, sulphate electrolyte, galvanic bath, cathode rod, avtooperator, automation of process parameters, sewage treatment.