Manufacturing of printed circuit boards (PCB)

The company “PPO EVT” manufactures double-sided printed circuit boards by the combined positive technique and multilayer printed circuit boards by the metal-plating technique of through-holes.

* Work piece dimensions max. 430x430mm
* Number of layers max. 16
* Width of conductor min. – 0,15mm
* Metal-plated hole diameter min. – 0,4mm

The quality of our products is guaranteed by the usage of high-technology equipment, maintenance inspections and reliability tests (2 times a year).

\*Manufacturing of photoplates on a high-precise laser photoplotter “First EIE” (Switzerland) with development line “COLENTA” (Austria);

\*Drilling and milling machine “KLG” (Germany)

\*Etching, development and washing lines of PCB “Schmid” (Germany)

\*Vacuum laminator “DuPont” (the USA)

\*PCB electrical continuity testing bench “ATG 5 Neo” (Germany) and others.

To manufacture PCB, Russian and imported materials are used:

* Glass fiber plastic (heat-resistant, foil-coated) according to Technical specifications 16.503.161-83, width 0,15; 0,2; 0,5; 1,5; 2 mm, with copper foil, width 18 and 35mm
* Dry-film protection resist DYNAMASK KM made by “Schipley” (the USA).
* Photoresist ALPHA made by “ElgaEurope”
* Chemicals made by “ATOTECH” (Germany) and others.

The PCB Production Department provides the factory with these products and can accept orders from other companies.

Paint coatings

The factory renders the service on coating of steel and nonferrous components with paint-lacquer coatings and powder paints.

Coating of components with epoxide and melamine-formaldehyde is executed on the semi-automatic line IMEL (Italy).