Galvanic coating

Galvanic Department performs galvanic coating of components made of steel, copper, copper alloys, aluminum and aluminum alloys. Galvanic coating is executed on automatic galvanic lines and in still-plating bathes.

For coating of steel components with zinc (colorless, iridescent chroming), coating of steel and copper components with nickel (matt, bright), copper, tin-bismuth alloy the automatic galvanic line “IMEL” is used.

The peculiarity of this line is that it works in auto mode and an operator creates a program where he indicates the type of coating and a component size. The strong point of the line is automatic injection of correction solutions through dosers what eliminates operation errors. To get high quality coatings that can be used in different climate zones, we use foreign additives.

The factory performs the following types of galvanic and chemical coatings:

For steel components:

* Zinc coating with colorless chromate treatment
* Zinc coating with iridescent chromate treatment
* Zinc coating with phosphate coating
* Matt nickel coating
* Bright nickel coating
* Copper coating
* Coating with tin-bismuth coating
* Chroming with nickel intermediate layer
* Chroming with copper and nickel intermediate layers
* Chemical passivation
* Chemical oxidation

For copper components and components made of copper alloys:

* Matt nickel coating
* Bright nickel coating
* Tin-bismuth alloy coating with nickel intermediate layer
* Tin-bismuth alloy coating with copper intermediate layer
* Chemical passivation
* Chemical nickel coating

For aluminum components and components made of aluminum alloys:

* Tin-bismuth alloy coating with nickel intermediate layer
* Anode oxidation with filling in chromate solution
* Anode oxidation with black coloring
* Chemical oxidation
* Chemical electrically conductive oxidation
* Chemical nickel coating