



POLTAVA AUTOMOBILE UNIT PLANT



Appeal to our partners

Poltava Automobile Unit Plant has strong production capacity for casting of any articles from non-ferrous metals in accordance to customer design. We propose co-operation to all companies interested in services of foundry and mechanical processing of non-ferrous articles.

In this presentation we will provide more detailed information about our plant.

We hope that Poltava Automobile Unit Plant will become reliable partner to your company.





Mechanical processing



Machining of the rods, circles, tubes \varnothing from 6 up to 65 mm and a length up to 3000 mm in the automatic machines with precision up to 0.1 mm. series up to 100000 pcs. months steel and non-ferrous rolled metal



Machining of plastic parts with precision up to 0.1 mm.

Thread rolling M5 M6 M8 M10.



Machining of castings from aluminum, zinc alloys \varnothing up to 160 mm with precision up to 0.1 mm.

Mechanical treatment on horizontal and vertical CNC machining centers with precision up to 0.001



Foundry



Casting by injection molding from aluminum, zinc and other easily fusible alloys. Using machines with a cold horizontal pressing chamber, with closing force of 250 to 420 m/s, a mass from 0.050 kg to 3 kg.

Casting into metal permanent-mould of aluminum alloys on the chill casting machines with manual and hydraulic drive. The weight of castings from 0.050 kg to 6.0 kg.

Stamping production



Coiling of cylindrical, conical compression and extension springs from wire \varnothing from 0.5 to 4.5 mm and a maximum outside \varnothing up to 80 mm.



Resurfacing the ends of the coil spring with the wire diameter under 5 mm, diameter of the spring up to 80 mm, and up to 200 mm in height.

Cutting of tubes, rods, circles with a diameter from 28 to 300 mm on the band saw machine.



Production of stamped parts from sheet and tape material (operations - cutting, bending, stretching, etc.) at crank presses up to 100 ton.

Thermal treatment



Carbonitriding in the electric furnace. The maximum temperature 950°C. Power 63 kW. Capacity of the furnace 150 kg/hour. The size of furnace working space \varnothing 600x600 mm.

Cementation. Annealing. Normalization in electric furnaces. The size of furnace working space \varnothing 600 x1200 mm. The maximum temperature 950°C. Power 93 kW. Capacity of the furnace 400 kg/hour.



Hardening in electric furnaces. Workspace furnace 650x1200x400 mm. The maximum temperature 1000°C. Capacity of the furnace 350 kg/hour. The furnace power 72 kW.

Shot blasting. Basket size is 250x150 mm and 250x200 mm.

Galvanization



Chemical oxidation of details from aluminum alloys. The line capacity - 45 m²/h. Dimensions of the bath: 1200x900x950 mm. Size of the cart: 800x500x500

Dip galvanizing line. The line capacity - 15 m² /h. The size suspension 400x100x900mm

Galvanizing of steel parts in the drum line. The line capacity – 15 m²/h. Loading of the drum - max 20 kg.

Etching of steel parts. Dimensions of the basket – 1140x300x400 mm. The line capacity - 10 m²/h.

Nickel-plated of steel parts. The drum line. The line capacity - 0.4 m²/h. Dimensions of the bath – 1000x800x900 mm



Galvanization



Galvanizing with colorless passivation. The line capacity - 15 m²/h. Drum - 20 kg. Chrome plating baths: 1000x650x1000 mm.

Bath application of zinc-nickel alloy. The maximum load - 15 kg. The line capacity - 0.5 m²/hr.

Tin-plating of steel parts. The line capacity - 0.5 m²/h. Dimensions of the bath – 600x500x800 mm.

Electropolishing of stainless steel. Bath – 600x500x800 mm. The line capacity - 2 m²/hour.

Galvanizing bath. Maximum load - 10 kg.

Line impregnation details from aluminum alloys. Volume of the autoclave - 3,6 m³.

Line preparation of parts before impregnation. Dimensions baths – 1500x700x1000mm.

Production of plastic products

Manufacturing of products from thermoplastic material (polyethylenes, polyamides, kocetal, ABS). Plasticizing temperature up to 350°C. With the help of injection molding machines by injection molding. Also on the vertical injection semiautomatic. Locking force up to 1150 kN. The working volume is 250 cm.cub.



Production of rubber products



Manufacturing of rubber products by the shaped vulcanization process at the hydraulic presses with electric heating plates (plate size 350x300 mm).

Manufacturing of reinforced rubber goods.



The instrumental production



Production of molds: for molding under pressure of aluminium alloys for injection molding of plastics for the manufacture of rubber goods.

Production of stamps for cold stamping, lathe tools, drilling tools.

Manufacturing of cutting tools: cutters, milling cutters, broaches, countersinks, reamers, drills.

Manufacturing of measuring tools: brackets, tubes, gauges.

Repair production

- Individual design of your project
- Manufacturing of metal structures and parts, spare parts
- Machining parts:
 - Turning and milling work
 - Tooth-cutting
 - Broaching work
 - Slots milling work
 - Planing work
 - boring out works
 - Grinding work
- Restoration of the geometry of metal-cutting machines using the planing method with final polishing
- Restoration and repair of parts of varying complexity
- Welding work
- Locksmith work



Design and development

Design and development of products and constructions on an individual order



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**Waiting for your
suggestions!**

