



Activities: **Machines**

Year of foundation.....**1897**

Number of employees.....**579**

Production

- Semiautomated gear-grinding machines;
- Universal cutter and tool grinding machines;
- Universal cutter and tool grinding machines with CNC (SIEMENS and Heidenhein);
- Specialized grinding machines for broaching tools, worm milling cutters, gear cutters, cutter blocks, rotary saws, drills;
- Equipment grinding machines;

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Organization of Lot Production of Angle Drive KZR-4 on the "VIZAS"

The enterprise connects great expectations with the preparation of lot production of angle drive for agricultural engineering in the network of import-substituting program. Though among potential users we consider not only "Gomselmash" and "Lidagroprommash", but and Rostov combine constructors. When creating this production we used the experience, accumulated by us during reductor manufacture for food-winning combines, produced by "Lidagroprommash". "VIZAS" enterprise started to the uptake of lot production of angle drive for agricultural engineering as far back as 2006. Then we considered the offer from OJSC "Lidagroprommash" to produce a set of angle drives for food-winning combine from 4 units. The set included an angle drive of type manufactured by German company "SHUMACHER".



The enterprise completely adapted the production of the angle drives at the expense of own funds. The constructors introduced into the structure of angle drive enough significant changes, directed at increase of product safety, improvement of effectiveness of its manufacture, assembly and repair.



A gear planer 5A250P was bought for manufacture of main part – bevel gears, the benches for green-run and testing of angle drive were designed and made.



Assigned task to release the angle drives KZR-4 of necessary quality and in necessary volumes can be decided if only:

I. Equipment Purchase:

- 1.compact multi-purpose high-speed milling-boring machining centers with CNC for body processing.
 - 2.special 2-spindle milling machining centers with CNC for processing of the most labour-intensive parts – “carrier” that can substitute about 8 universal machines of different groups.
 - 3.thermal equipment for cementation and hardening of gear wheel.
 - 4.gear equipment for milling of spur gear and slotting of internal toothing.
- inspection equipment.

II. Equipment Modernization:

1. Machines for processing of bevel gears (to buy second-hand machines and update them).
2. Universal equipment for lathe turning and drilling.

III. Making of special equipment for assembly, green-run and testing.

Realization of the measures allows not only to fulfill the task of the lot production of the qualitative angle drives KZR-4, considerably decrease the cost price of their manufacture, but increase the quantity of the angle drives that are already produced for “Lidagroprommash”, decide many problems of part workmanship on assimilated and mastered precision machine tools with program management, measurement technology.

