



VeMes-production Ltd



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1. Company profile

Vemes production is a small private enterprise that was established by the end of 2017.

The main activity is machining of metal products.. Production is designed as a service activity where different machine parts are produced according to customer wishes, or as a partner for external services

Also, the company has partnered with a company whose main activity is locksmith work. By concluding partnerships we are able to offer from the very beginning to finished product.



2. Production technology

In this production process, there are two branches of manufacturing technology that I represent.

The first branch of technology consists of the preparation of machine material, which means that the material is prepared in such a way that it is first processed by gas cutting or pile, and the next process is to process the material on the machine to the finished product. The machines to be used in this process include CNC milling machines and classical lathe machines.

The second branch of technology consists of material preparation by gas cutting or pile, and bending under certain angles depending on the product's need, turning, welding and welding positions in the semi-finished product and such welded construction is machine-controlled on the CNC machine in the final product.

Both branches contain a final locksmith work that includes removing the edges, polishing the surface if the product requires some of the heat-chemical processing procedures.

There would be two branches in welding technology. Welding of black and stainless steel.

Each of these steels would be separated by using separate means for sanding dislocation and removal of bridges, ie only the means for sanding black steel or only for sanding stainless steel would be used.

Welding procedures would be a METAL INERT / ACTIVE GAS process that would be used for black steel and TUNGSTEN INERT GAS processes that would be used for stainless steel and, if necessary, for black steel.



3. Production

The production consists of one CNC machine and small auxiliary devices used in the final part of the locksmith's work.

HAAS – VF2 – 3 axis



Technical specifications :

- X = 762 mm
- Y = 406 mm
- Z = 508 mm
- Desk table dimensions 915 x 400 mm



4. Quality control

At individual production it would be 100% control of the dimension of the position, while in serial production would be 100% control of all dimensions of the first piece, and on the other, only tolerated dimensions.

Also after each product, final control of all dimensions and preparation of measurement protocols is done, if necessary.

The final control and control of the machine would be carried out using etalon, holes micrometer, external diameter micrometer, digital displacement gauges and hole comparators.





5. Production parts



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