



Veles started in 2014. Our main goal is quality. Thanks to the methods and experience, we are making jobs as fast as it is possible.

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1. CO2 Laser cutting

To meet our clients requirements, we keep our machines in perfect condition. Accuracy is our number one priority. We are capable of working up to 20h per day.

If you need high accuracy and small material swarf, laser cutting is one of the best options. The slot after cutting is approximately 0,25mm. This type of machining can cut any shape, almost without rounding sharp corners.

We are making low-volume production as well as serial production.

Technical data:

Power: 60/80W (plexiglass thickness up to 20mm)

Working area: 900x600/1500x900mm,
maximal material height (engraving) 400mm.

It allows us to engrave bags, crates, barrel etc. It is worth mention that the length of the material in theory is unlimited.

Work table types: honeycomb for small elements, and aluminum blade table for better edge quality.

We can provide up to 1000mb/24h cutting (3mm plywood).



Materials we can cut:

Plexiglass

Delrin

Wood (plywood)

Foil

Rubber

Laminates

Felt and micro-rubber

Paper

Leather

Glass

Fabric

Other plastic

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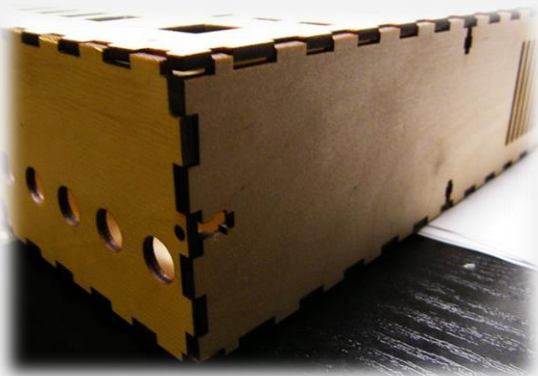
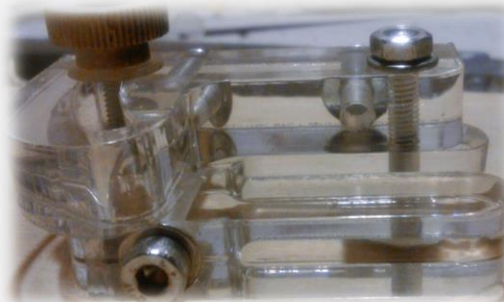
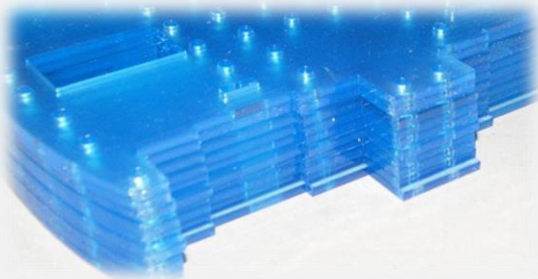
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2. Laser engraving

We are making engravings using our CNC machines. By using this method we can provide high accuracy and long lifespan of the product. Laser engraving is the best option for making serial plates, pendants, wallets and various often used signs.



We are using best quality laminates. Mostly from company named COLOP. Another types of material that we are often using is wood and anodized aluminum plates.

Maximal engraving dimension 1450x850mm

Materials we can engrave:

Plexiglass

Leather

Wood

Laminate

Glass

Rubber

Stone

Paper

Plastic

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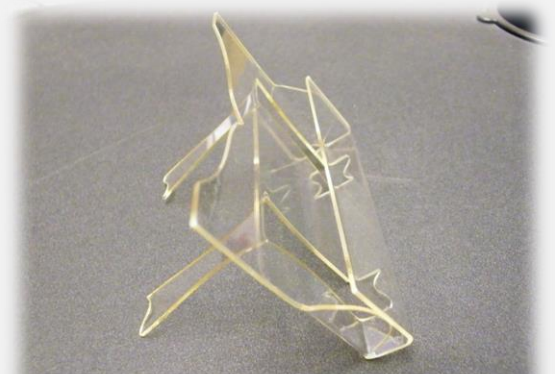
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3. Thermoplastic material folding

By using the advanced method to prepare material: double side heating, adjustable heating width and precise controlled (PID) heating/cooling time, we are able to fold thermoplastic materials up to 20mm thickness and 1000mm length.



Our machines has also unique feature which allows us to make multiple folds at one time.





4. Marquetry

Marquetry is an technique that involves filling different type of wood (color and texture) to previously prepared piece of wood. This technique was used since XVI, but nowadays we can significantly speed up production time as well as quality and complexity of the product.



We are using wood:

Bamboo
Ebony
Pine
Rosewood

Oak
Cherry
Mahonia
Nut tree

Maple wood

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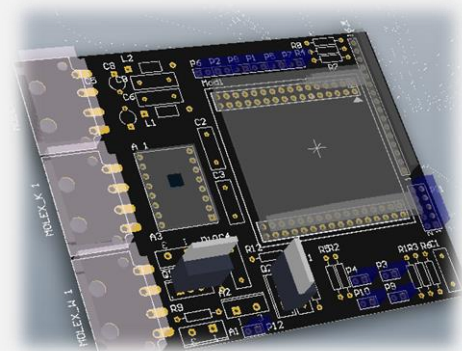
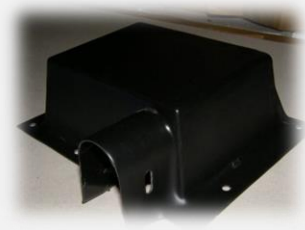
5. 3D printing & CNC milling



We are using popular 3D printing method to make parts, covers and other prototypes before production.

By combining 3D prints with CNC milling, we are making fully functional devices (including electronic circuits).

Later we disassembly them and prepare to make more durable and cheaper casting parts.





6. Casting

Excellent method to produce cheap, complicated shapes in small series, with properties similar to ABS plastic.

By using this technique, we can also produce parts which dimensions exceeded any available 3D printer working table.

We are using highest quality silicone for forms and various types of resin.