Electrochemical polishing.

This technology further extends the services we provide as part of our surface treatment division, i.e. sand blasting and acid pickling. The technology expands our possibilities to work with stainless steel and achieves to higher levels of surface quality. The electropolishing process smooths and streamlines the microscopic surface of a metal object such as 304, 316, and the 400 series stainless steel. As a result, the surface of the metal is microscopically featureless, with not even the smallest speck of a torn surface remaining.

3D measuring tool FARO Arm Adge 9 with 7 axes and a scanner

which allows to measure almost everything in space in real time. On the basis of the results we can issue measurement protocols. The FaroArm is a portable coordinate measuring machine (CMM) that allows manufacturers easy verification of product quality by performing 3D inspections, tool certifications, CAD comparison, dimensional analysis, reverse engineering, and more. The all-new FARO Edge is the most advanced, state-of-the-art FaroArm ever produced.

FlexArc® ABB welding robot

FlexArc® is a new generation of standardized welding cells, which are designed to deliver cost-effective, state of-the art robotic welding operations. All cells deliver maximum performance whilst making optimum use of available space.

Wet Painting Process

The technology requires an application booth for the Wet Painting Process, including a programmable drying and hardening process directly in the cabin to maintain the highest possible quality of the surface treatment. The drying process runs through a waste heat exchanger with the aid of a cogeneration unit, which is part of the equipment.

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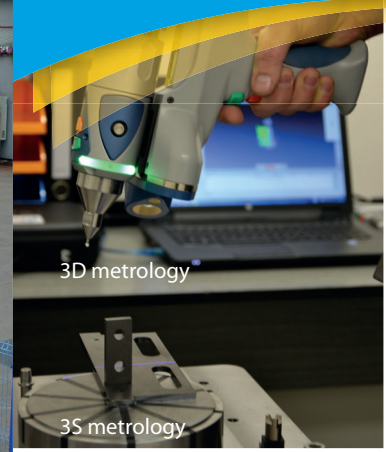
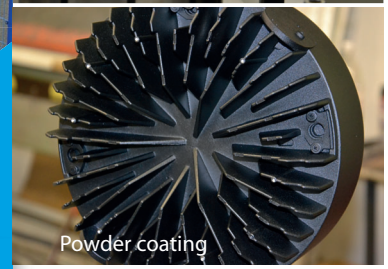
KLEMAT CZ S.R.O.

KOMPLEX METAL WORKS


3D metrology


3S metrology

Robotic welding

Waterjet cutting

Powder coating

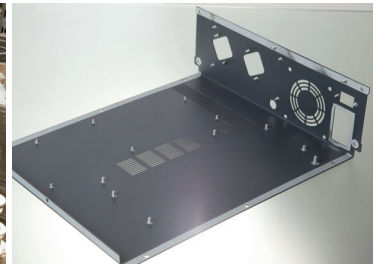
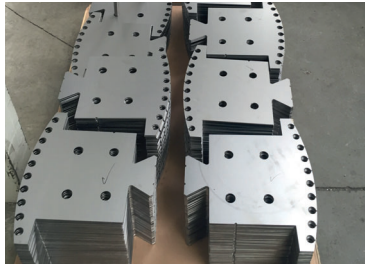
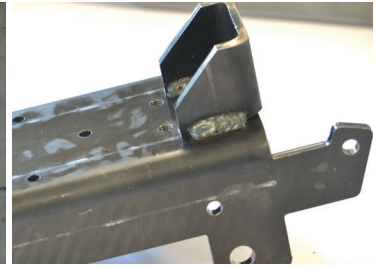
Laser cutting

CNC turning and milling

3D laser cutting

WE OFFER A COMPLEX SCALE OF SERVICES AS REGARDS METAL WORKS:

- laser cutting of sheets and profiles
- water jet cutting
- shearing
- CNC bending, bending of sheets, round, square and other profiles, rolling
- Inserts /pem-helicoils/
- sand blasting of stainless steel, aluminium and black steel
- phosphating, acid pickling, electrochemical polishing of stainless steel
- powder coating, wet coating
- CNC milling and turning
- robotic welding – welding with TIG, MIG and MAG
- 3D measuring, 3D laser measurement, measuring the surface roughness
- Wet Painting Process

TECHNOLOGICAL PARK:

FIBRA laser technology IPG - YLS 3000
with power3000 W

CNC milling machine a lathe technology DOOSAN

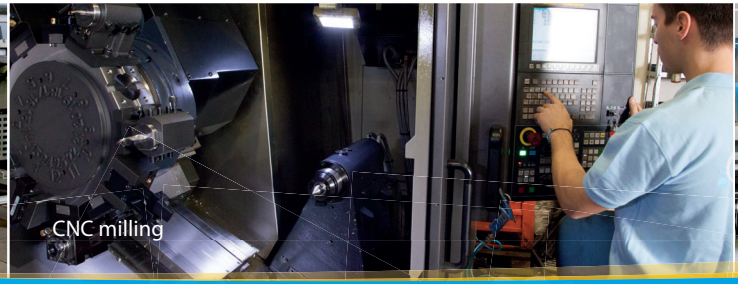
Powder coating with all RAL chart colours and shades.
We can apply also special finishes - : matt, gloss, semi-gloss, textured, metallic, hammered – according to the client needs. Our company offers a curing oven of unique dimensions for coating parts of sizes up to: 550cm x 110cm x 170 cm and 640cm x 190cm x 295cm.

Wet coating line including the dryer.
This kind of coating perfectly adjusts to the powder coating lines of 7m and 5,5m we have

Modular CNC laser Adige-SYS LS 5 Fibra
with the possibility of extending it as a tube laser.
A huge advantage of this technology is its automated system for cutting sheets as well as tubes and profiles. Further we have acquired CNC four cylinder rolling machine, which is currently the most precise, fastest and easiest to work with.

SAFAN press brake
We are able to meet the demanding requirements of our customers and bend metal sheets up to a maximum length of 4m and a tonnage of 170 tonnes!

LS5 laser


CNC milling

CNC turning