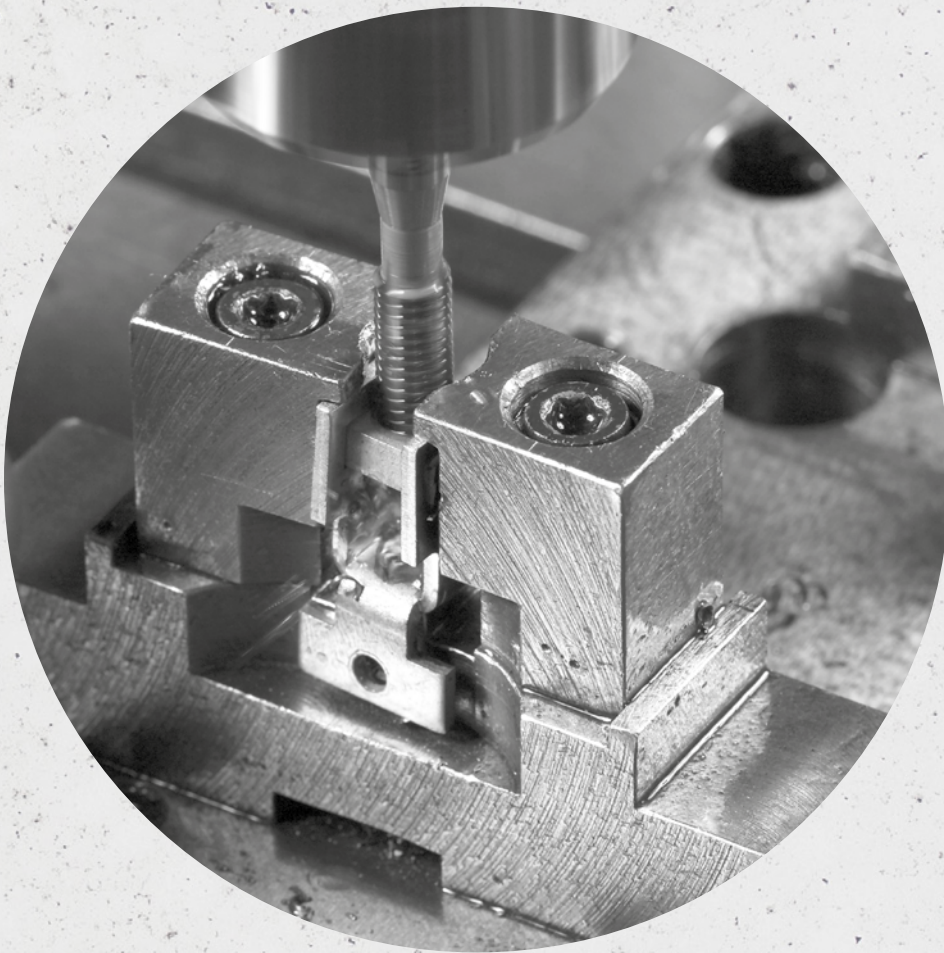


OBZOR

services



tradition since 1965



INJECTION MOULDING

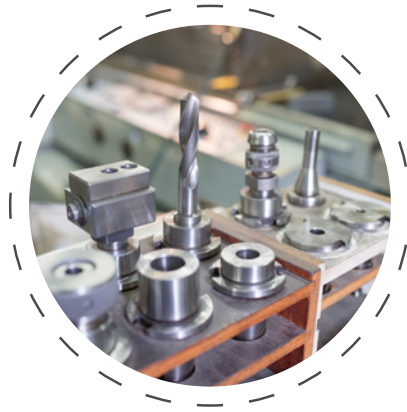
In the **injection moulding facility**, we manufacture consumer and technical moulded products from these materials:

- PE, PP, PS, PC, PPO, PBT, POM, ABS, PA, PA6, PA66, PA6/66, PC-ABS, PC+PBT, TPE
- materials containing up to 30% glass content
- excluding PVC

Our plastics moulding facility is equipped with 13 injection moulding machines with clamping forces ranging from 250 to 2000 kN.

We offer development, design and manufacturing of:

- injection moulds
- cutting, bending, punching and progressive press tools
- drilling, mounting, riveting and welding jigs
- automated assembly technology and multipurpose facilities



TOOL MAKING

In the **toolshop**, we manufacture injection moulds, cutting and bending tools, measuring devices and other tools and equipment.

Our activities:

- turning work
- milling work
- coordinate drilling and grinding
- even, cylindrical and cone grinding
- EDM wire (die-sinking, wire cutting)
- gauge work
- new tools assembling, finishing work, tool testing

In case of need we are able to provide:

- heat treatment
- special heat treatment (vacuum hardening)
- surface treatment
- thread grinding



MECHANICAL SERVICES

METAL STAMPING

- cutting and bending of small dimension parts and mid-sized production series
- deburring (tumbling)
- riveting
- threading
- straightening
- punching

Used materials:

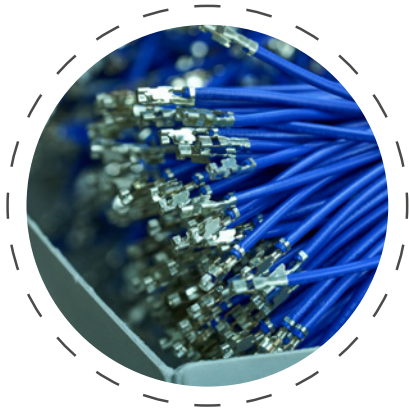
- steel
- brass
- copper
- aluminium
- stainless steel

METAL MACHINING

Metal machining (turning) on conventional, long-turning CNC machines and long-turning camshaft machines. Especially suitable for medium to large production series.

Used materials:

- steel
- brass
- aluminium
- stainless steel
- dural



WIRING

Wiring installation and assembly – basic activities:

- cutting and stripping wire ends with cross sections of 0,05–6 mm², cutting and stripping cables up to 12 mm diameters in min. 50 mm lengths
- installation of wires with a wide range of contacts, cable lugs and terminals
- soldering of joints and tinning of wire ends (RoHS)
- assembly of connectors
- production of cable harnesses
- assembly of plastic connectors for use on cable assemblies for the automotive, mechanical and electrical industries



SOLDERING

ROBOTIC SOLDERING

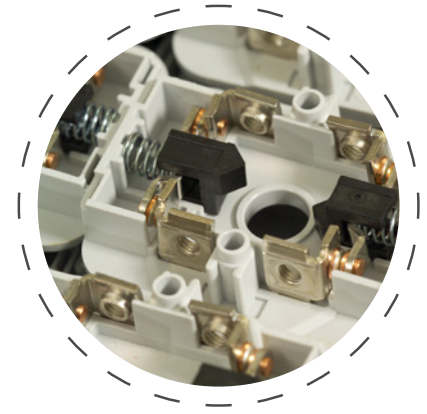
- soldering on the QUICK soldering robot is automatic, fast and highly precise; in addition to the 4-axis control system (X/Y/Z/R), the unit offers numerous programmable parameters, a large memory capacity and high speed

SELECTIVE SOLDERING

- soldering of printed circuit boards (PCBs) up to 508x508 mm
- bottom-side PCB soldering technology using mini-wave (wetting solder nozzle)
- accurate application of flux on the PCB, low consumption

MANUAL SOLDERING

- soldering connections and tinning wire ends using lead-free solder (RoHS)



MANUAL SERVICES

In case of worker shortfalls or available capacity for minor manual tasks, we are happy to assist you.

We offer the following manual tasks/services:

PRODUCT ASSEMBLY

- especially for the electrical and automotive industries

ASSEMBLY OF COMPONENTS

- based on customer specifications

INSPECTION AND SORTING

- visual inspection of manufactured parts according to OK samples, sorting tasks

PACKAGING AND LABELLING

- according to customer requirements

10/2023, changes reserved

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