

# Company presentation of CZ-SKD Solutions a.s.

Tool shop with over 30-years tradition

Motto: „*We are part of your way forward*“

January 2022



CZ-SKD Solutions a.s. has been built on the bases of former tool shop SKD Bojkovice by joining the activities of Ceska zbrojovka Partners SE and former employees of SKD, namely people from former SKD Bojkovice tool shop.

Company is a member of industrial holding AIT Group a.s.

We are located on the original address of SKD Bojkovice toolshop.

Our tool shop is specializing in the production of technically complex injection moulds and provides comprehensive and complete services. Over 30 years of experiences with the production of injection moulds and plastic parts for our customers from automotive industry.

We have an experienced team of people with many years of know-how.

# Vision, Mission, Strategy

## **Vision:**

We want to be a prestigious, well-respected and innovative tool shop that makes full use of modern technologies and trends and can handle complex molds and applications. A tool shop that provides complete and comprehensive services and technical facilities to its customers, that works with them closely to create the products they need, and one that is sought after and contacted by leading manufacturers of plastic parts from various branches of industry. We want to be an excellent employer, one where offered positions come with no small degree of prestige; our employees are highly motivated, we train specialists in the field and are aware of our social responsibilities.

## **Mission:**

We are a tool shop that develops and produces molds for complex applications and provides complete and comprehensive services to its customers, helping them move forward. We offer comprehensive services from the development of moldings, technical support, construction and production of the mold to delivery of the final product. We provide innovative ideas and follow the latest trends in the construction and production of molds and plastics. We see great potential in innovation and smart solutions to improve the competitive advantage and sustainability of both us and our clients, and we help our clients grow. We don't want to make a name for ourselves on the market with competitive pricing alone; clients need to see that their investment into high-quality tools will pay a return and be worthwhile. Our clients include prestigious TIER1 suppliers in the automotive industry and leaders in their fields; they are often global players. In the defense sector, we work closely with the prestigious Česká zbrojovka a.s., a leader and global player in its field, and we also share a link through shareholders.

## **Strategy:**

We can convince clients that we can handle complex and difficult projects even on a global scale and further strengthen our position as a reliable supplier and partner with comprehensive services. We help innovate products for clients, presenting new ideas and solutions, and in turn contribute to their competitive strength and sustainability. We create and combine synergies between individual fields of industry and support our clients so that they can win projects from their customers and be a part of on-going changes in the automotive industry that keep bringing new and interesting projects and challenges. We try to stand apart from other suppliers; we are proactive and try to do things in a different, better way. Our references show that we are heading in the right direction.

**We offer the development of an ideal injection mold concept with regards to technological requirements on quality and precision of the mold, economically beneficial production and the required service life of the tool in terms of the assumed production volume and the mold use.**

## 1) Development, Design and production of prototype injection moulds

## 2) Development, Design and production of mass-production injection moulds, complex services

- Development and support of customer development – support of our customers to win the projects.
- Development and Design of plastic parts
- Design of moulds and fixtures
- Production of moulds, tools and fixtures
- Testing and optimization of moulds, supplying samples of molded parts
- Adjusting of moulds – design changes based on the customer requirements
- Mould services – tool repairs and maintenance of moulds
- Engineering activities – optimization of processes, extension of tool lifetime and reducing the injection cycle time, innovation = key to success – increased competitive advantage.
- Consulting – calculation and project management, business strategies how to win the projects
- Lines and fixtures for automation of mass production (overmolding, assemblies, testing,...)

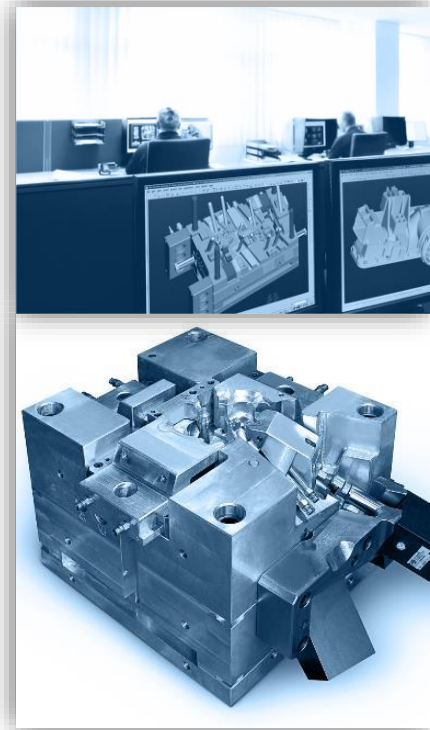
## 3) Possibility of mould production in China for Asian, European and US markets.

- our own team of highly experienced people with over 300 successful projects
- complete services including design, production, sampling, transport
- moulds are designed in cooperation with our team and as per our customer standards
- optimization and completion in the Czech Republic in accordance with the drawing of the plastic part
- warranty, services, spare parts and and implementation of any design changes

## 4) Experience with deliveries to India, USA, Mexico, Brazil, etc.

## 5) Own business representation in Germany and project coordination for German customers

## 6) Precise machinery production



- Prototype, pre-production and mass production moulds for the following applications:
  - Technically complex parts (coolers of water, air and oil, thermostats, fuel, air and oil filters, pumps, suction, ...)
  - Visible parts (exterior and interior, headlights)
  - 2K parts
  - Overmolding – parts with inserts and various components
  - High-temperature moulds – applications of PPS, PPA materials, up to 50% GF resins
  - GIT and Mucell technologies
  - Welded parts (vibration and ultrasonic welding of plastics, welding fixtures)
  - Hotstamping, assembly of inserts, components, gaskets, leakage tests.
  - Assembly lines
  - Replacing of metal machined parts by plastic parts
- Injection of plastic parts, serial deliveries of parts and assemblies for automotive industry.
- Assembly and measuring jigs, automation lines



# Competitive advantages

- More than 30 years of experience in the production of injection molds
- Everything under one roof – one reliable supplier
- Own development and design
- In-house testing and optimization of moulds
- High-quality, competent and experienced employees
- Extensive know-how accumulated from many previous projects, many years of experiences in the automotive industry
- Modern machinery park
- We keep up with current technological trends, new innovations are the challenge and opportunity for us
- Several awards in the field of innovation and cooperation in the automotive industry
- General knowledge of the market not only in Europe but also globally
- Own sales office in Germany and project coordination for German customers
- Possibility of mold production in China, where we have our own team of people and we offer complete and comprehensive services.
- Long term experiences with production of mould in China



**Continuous development and innovation following current automotive trends and strategies is one of our top priorities.**

We strive to be a strategic supplier of moulds and parts for our customers.

**We prefer products with added values such as:**

- Assembly
- Hotstamping
- Welding
- Washing of parts, tampoprint
- Testing
- Overmolding – parts with inserts
- 2K injection, GIT, Mucell
- PPS, PPA, materials up to 50% GF



**Water pump**

**TIER 1: Mahle Behr OEM: Audi**  
**PPS application, part with mold inserts**



**Baffle Plate**

**TIER 1: Elring Klinger OEM: GM**  
**Welding, installation**

## **Change of aluminum part to plastic**

- Reducing the weight of parts
- Reducing emissions
- Lower price – a very interesting potential for saving



**Air cooler – Turbo system**

**TIER 1: Valeo OEM: VW**  
**Change of aluminum part to plastic**

Very important part of our business comes from defense industry.

We apply our experiences from the automotive industry to the defense industry and based on that, we are helping to our customers to innovate their products and processes.

We support our customers with development activities, especially major customer Česká Zbrojovka and we propose ways, how to improve, how to innovate, how to reduce costs, etc.

Currently we have two key customers from defense industry and we are doing for them following services:

- Česká Zbrojovka – prototype parts made by machining, injection moulds for plastic parts, plastic part supplies, moulds for casting, assembly and checking fixtures and jigs.
- Vibrom – injection moulds for MIM technology (metal injection moulding)



**CZ**

  
**VIBROM**



# References – automotive industry

**JOPP**

**hanon**  
SYSTEMS

**WITTE**  
AUTOMOTIVE

**Valeo**

**MANN+HUMMEL**

**UFI**  
FILTERS

**MODINE**

**HELLA**

**Wittmann Battenfeld**

**MAHLE**

**BorgWarner**

**YASA**

**GRUPO**  
**ANTOLIN**

**MAGNA**

**BRAND**  
GROUP

**elringklinger**

**TOLEDO MOLDING**  
**TMD**  
AND DIE INC.

**varroc**  
EXCELLENCE

**MAGNETI**  
**MARELLI**

**Arlington**  
Automotive

**Hengst**  
AUTOMOTIVE

**TW**

**BOSCH**

**AMK**

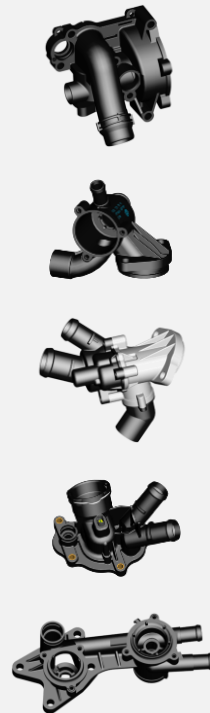
# Implemented applications – automotive industry



Air and water coolers



Thermostats



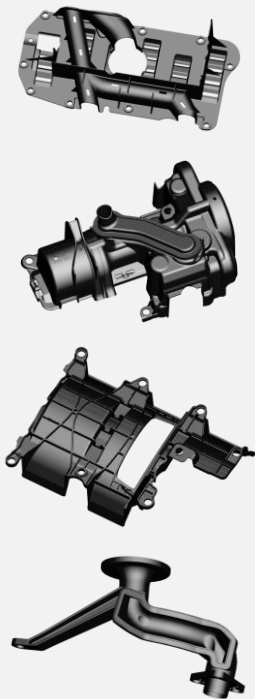
Suctions, manifolds



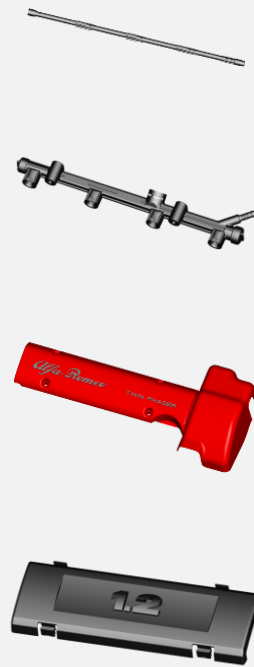
# Implemented applications – automotive industry



## Oil distribution



## Covers, Holders, Fuel Rails



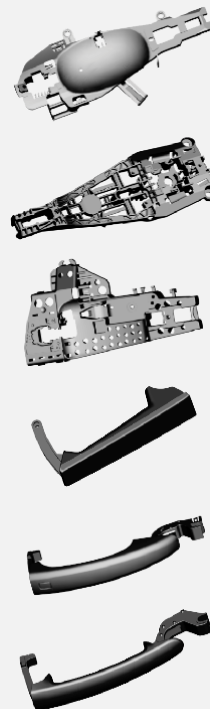
## Fluid distribution



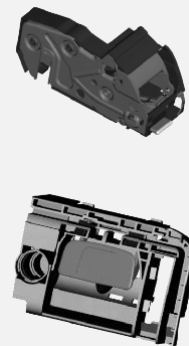
# Implemented applications – automotive industry



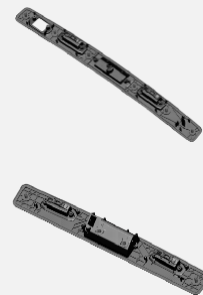
## Door systems



## Seating systems



## Boot systems





# Implemented applications – automotive industry





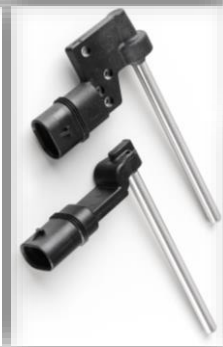
# Implemented applications – automotive industry



# Implemented applications – automotive industry

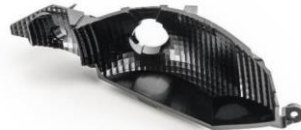


## Implemented applications





# Implemented applications – automotive industry



**Ing. Petr Kuchař**

Sales manager

Email: [kuchar@czskd.cz](mailto:kuchar@czskd.cz)

Tel.: +420 774 896 535

**Ing. Petr Kuchař jun.**

Sales representative

Email: [kucharp@czskd.cz](mailto:kucharp@czskd.cz)

Tel.: +420 724 342 079

**Ing. Martin Kodet**

Sales representative

Email: [kodet@czskd.cz](mailto:kodet@czskd.cz)

Tel.: +420 777 840 350

**Roberto Frignani**

Sales representative for the German market

Email: [frignani@off-rf.de](mailto:frignani@off-rf.de)

Tel.: +49 172 664 11 47



Thank you for your attention