



»MAKOP«

Company presentation

About us

A comprehensive solution

We do everything towards enabling a serial production of the product by your design.

Aur offer:

- **injection moulding of thermoplastics,**
- assembly or completion of assemblies,
- tampon printing,
- ultrasonic welding,
- manufacture of injection molding tools,
- project management.



We are making an open quotations. Material most used: **PA, PBT, SAN, POM, PP, TPE, PC, ABS, PPMA.**

Development strategy



our mission

creating plastic products that suit your wishes



our values

partnership, tradition and trust

trust-based relationships with all our partners

knowledge, speed and flexibility

with our knowledge, abilities and responsiveness we overcome the obstacles, and make sure our partners can rely on us every time



our vision

continually consolidating our position

as one of the most flexible and reliable partner to our customers

we are achieving this by strengthening the long-term business connections, with continuous investment in new technologies and knowledge of our colleagues and expansion of tool making department

Makop's team

We are a team of 28 members

Team size	28
production	19
production planing	1
tool shop	3
quality ensurance	2
other, administration	3

Our commitment to the safety of all us is a fundamental part of our culture.

We bear our social responsibilities in mind when making business decisions.

We encourage creative thinking and personal commitment and show appreciation for achievement.

We respect a positive contribution from each individual.

Our management style is based on openness, respect and reliability toward both our employees and our partners.

We expect high performance, and we maintain a collaborative management style.

More than 30 years of experiences

Milestones

- 1984** Mr. Maks Resnik establish Craft workshop MR plastic and starts a production of shower hose.
- 1985** Extrusion of hoses, profiles, pipes, etc. starts on an extrusion line constructed and manufactured by Mr. Resnik.
- 1989** **The establishment of the company MAKOP d.o.o. running in newly built workshop in Domžale.**
- 1991** Reorientation into injection of plastic parts & tool making and starts to acquire new customers on the domestic market after the fall of Yugoslavian market.
- 1997** Orientation onto foreign markets and obtaining the first major foreign buyer from abroad.
- 2006** Purchase and renovation of additional production facilities in Kozje and expansion of production in the renewed production plant one year later.
- 2010** ISO 9001:2008 certification.
- 2013** **Adding a technology of tampon printing and technology of ultrasonic welding.**
- 2014** Production layout rearrangement and purchase of modern erosion machine.
- 2015** Continue our long-standing tradition.

References

Long tradition, extensive experience and expertise

make us a reliable partner to our customers who have been guaranteed our rapid response, flexibility and quality service.





Domžale



Kozje

About the company

- processing of plastic materials **since 1984**
- **28 employees**
- **25 injectors** clamping force ranging **from 50 to 450 t**
- **4,000 square metres** of production premises on **two plants** in Domžale (1100 m²) and in Kozje (2900 m²)
- machines are **equipped with picker robots**
- our own **tool repair workshop**
- fireproof tool storage area
- up to 600 tons of plastic granules processed per year
- injection moulding of more than 500 different products
- annual turnover of up to 3.6 mio €
- working 24 hours/day
- quality management system according to **ISO 9001:2008**

MAKOP d.o.o.



Domžale



Kozje

prod. plant	manufacturer	model	clamping force [t]	year
Domžale	Arburg	320C GE	50 t	2007
Domžale	Arburg	320S	50 t	2003
Domžale	Asian Plastic	SM50	50 t	1999
Domžale	Arburg	270S	50 t	1997
Domžale	Arburg	370U	60 t	2005
Domžale	Arburg	320C	60 t	2000
Domžale	Arburg	320C	60 t	1999
Domžale	Arburg	1200T (vert.)	80 t	1998
Domžale	Arburg	1200T (vert.)	80 t	1996
Domžale	Asian Plastic	SM90 HC/CE	90 t	2003
Domžale	Asian Plastic	SM200 CETS	200 t	2002
Kozje	Arburg	320C	50 t	2007
Kozje	Arburg	320C	50 t	2007
Kozje	Arburg	420C	100 t	2007
Kozje	Arburg	420C	100 t	2007
Kozje	Zhafir	VE 1500	150 t	2012
Kozje	Arburg	470C	150 t	2011
Kozje	Arburg	470C	150 t	2007
Kozje	Haitian	MA 2000	200 t	2011
Kozje	Arburg	570C	200 t	2007
Kozje	Haitian	MA 2500	250 t	2011
Kozje	FCS	SD - 250	250 t	2006
Kozje	SM	250	250 t	1998
Kozje	Haitian	MA 3800	380 t	2011
Kozje	SM	450 TSCE	450 t	2007

machines with clamping force above 100 t are equipped with robots

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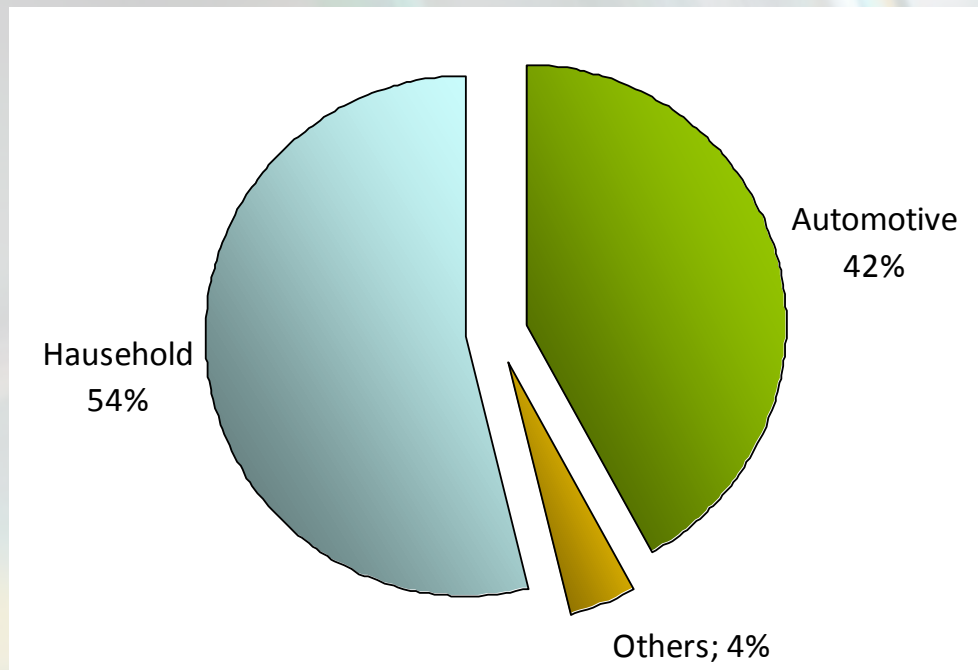


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Products

Total turnover by bussines field in %



With our modern equipment, technological know-how and experience of our employees, we offer injection moulding of over 500 complex products for various industries:

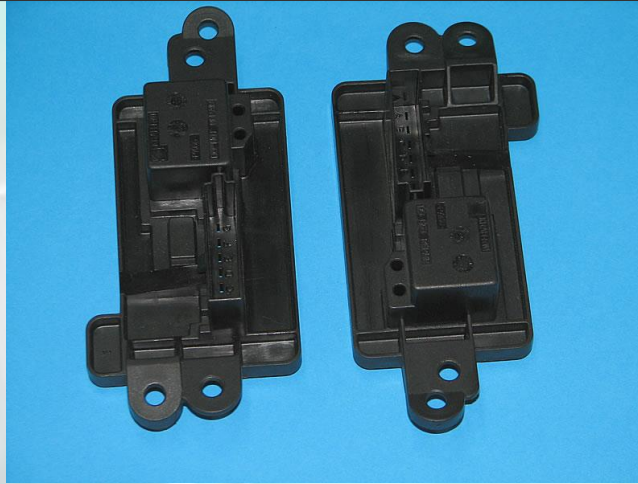
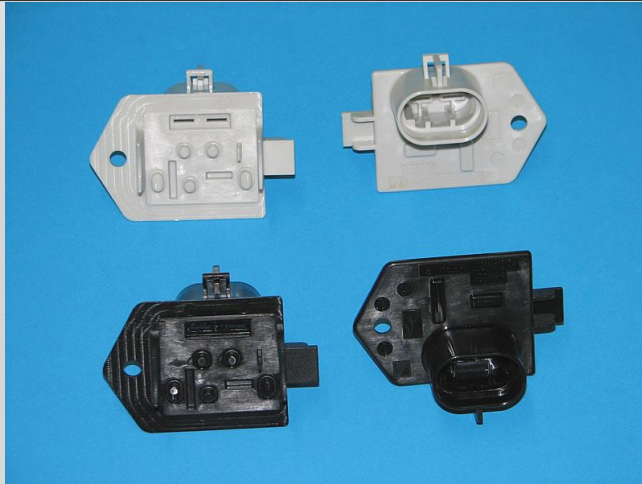
- automotive industry
- household appliances industry
- electrical equipment industry
- sanitary equipment industry
- medical equipment industry

We are specialists for injection moulding of:

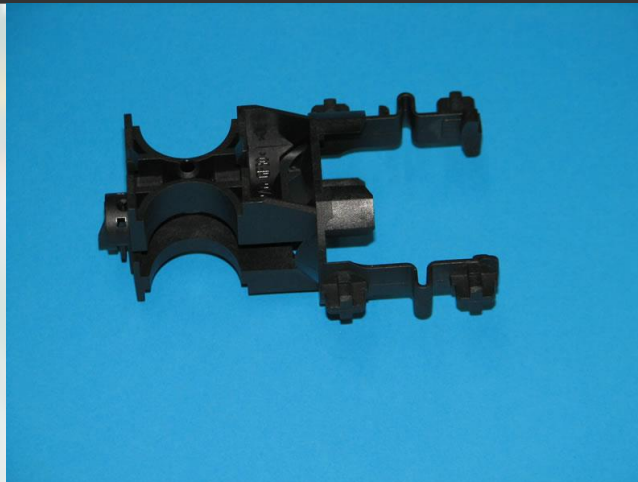
- dimensionally complex technical products
- products with inserts (metal, sensors etc.)
- products with prints
- aesthetically complex products

During the process, injection-moulded products can be assembled or completed into individual compounds.

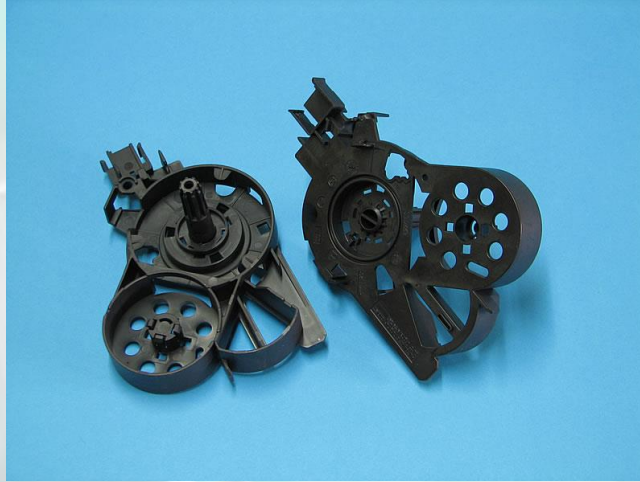
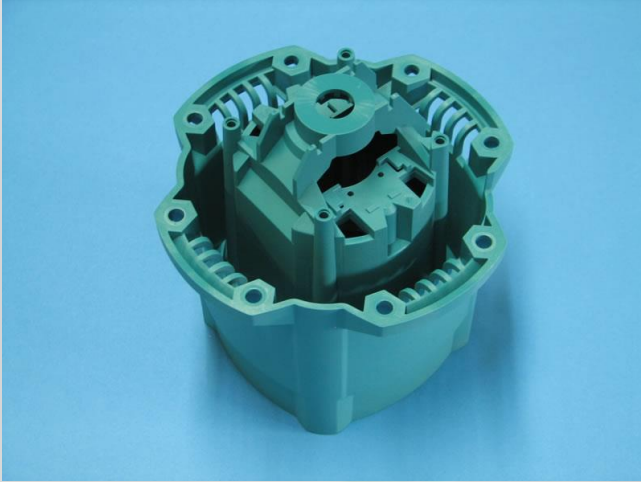
Automotive industry



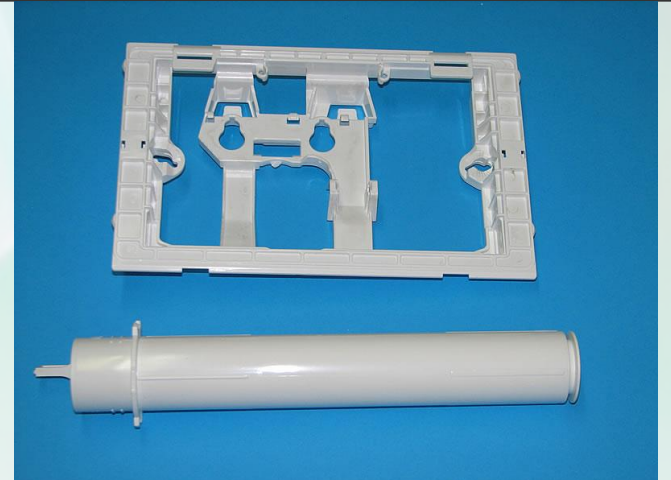
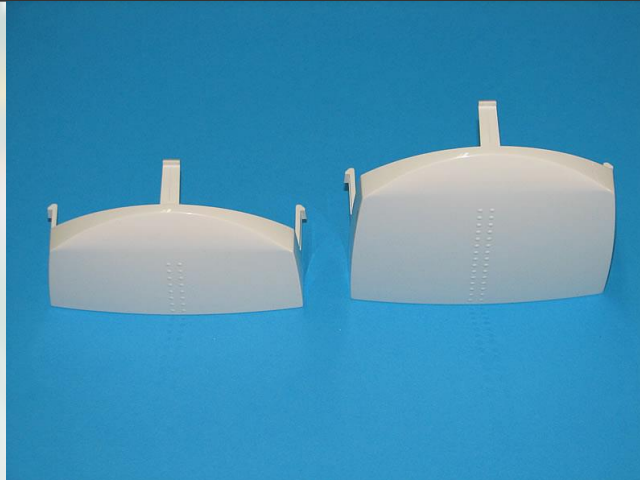
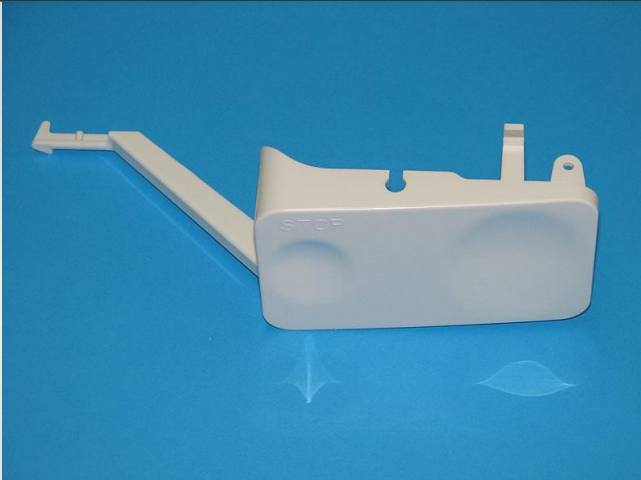
Household appliances industry



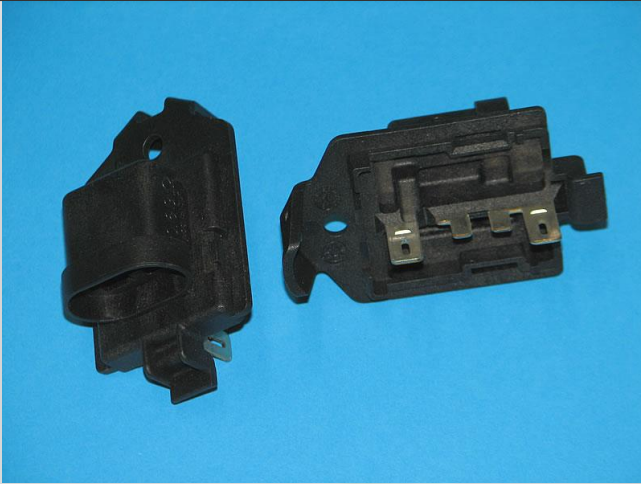
Electrical equipment industry



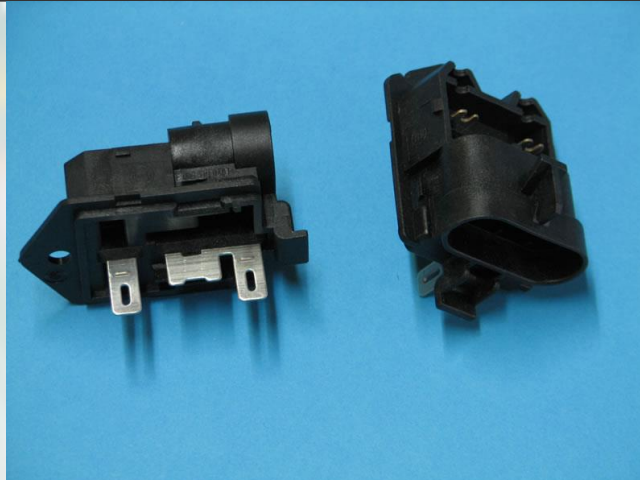
Sanitary equipment industry



Dimensionally complex technical products



Products with prints (metal, sensors ipd.)



Aesthetically complex products



Products with prints & assembly



Project management

Our company offers you a comprehensive solution for the realisation of your ideas.

In most instances, customers submit us their product model and a drawing indicating all their requirements. You can also share with us only your idea and we design your product model together at our premises.

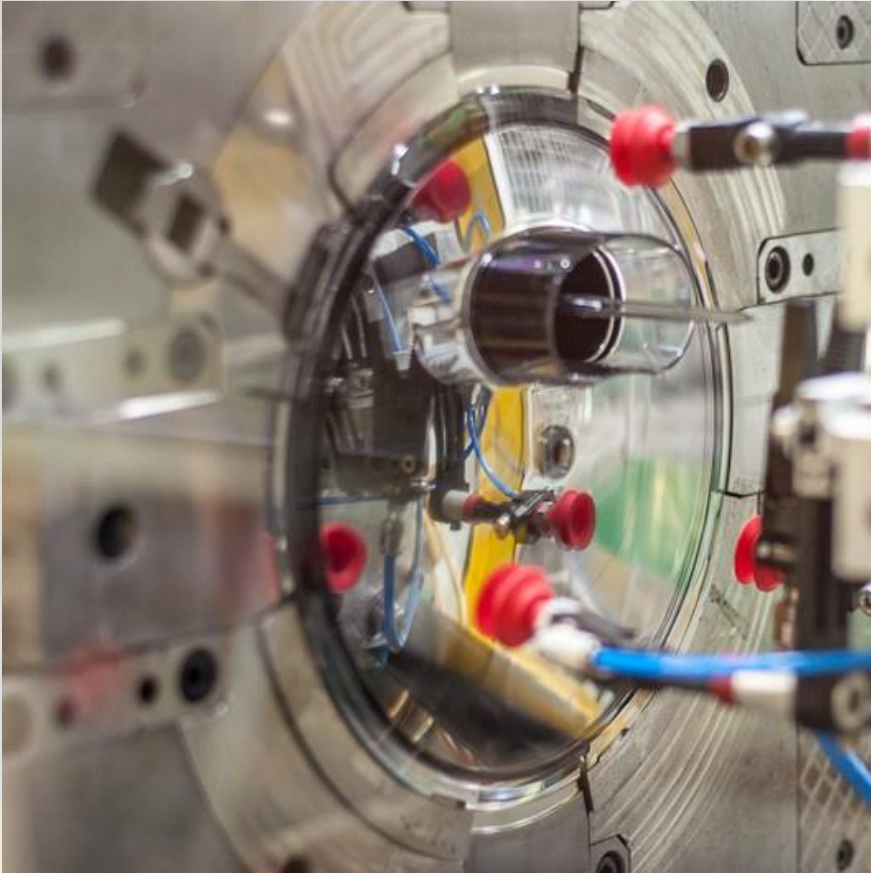
During the production, products are constantly monitored in accordance with the control plan.

The PDCA continuous improvement method is applied to each production process.

Once product requirements are clearly defined, we can start with the project. The project is implemented in accordance with the requirements of the automotive industry:

- > planning of production process:
 - production cell plan
 - production flowchart
 - P-FMEA
- > control plan
- > construction and manufacture of:
 - tools (mostly manufactured by external toolmakers)
 - grippers and necessary devices
 - measuring and controlling devices
- > process test cycles and tool optimisation:
 - test injection moulding
 - product measuring in our own measuring room
 - product testing in renowned laboratories
 - making decisions about the necessary product modifications
 - implementation of modifications
- > determination of packaging, storage and transport methods for automotive sector products, preparation of PPAP/EMPB documentation and entry of materials into IMDS system
- > serial production starts once the customer confirms that the product is in line with their requirements

Tool workshop



We evolved our tool repair workshop

manufacturing tools for our own needs and for the needs of external customers. Since 2008, it has been used to provide support to our production process.

With the help of quality equipment, our experienced team has been performing particularly the following tasks:

- optimisation of tools
- fast modification of products
- repair and maintenance
- manufacture of grippers, measuring devices and less complex automation devices

Depending on our capacities we can manufacture the entire tool. The manufacture of tools is mostly left to renowned Slovenian toolmakers, with our team involved in the construction and optimisation phase.

Tool workshop





Thank you!

Head office

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