

plastic  
injection  
moulding

mould  
construction

[www.pfraketa.com](http://www.pfraketa.com)



Raketa is among Ukraine's leading companies manufacturing plastic injection moulding and making relevant production tooling such as moulds.

We are proud

- of over 20 years successfully operating in the Ukrainian market;
- to have a fleet of modern imported equipment;
- to make our products out of high-quality certified raw materials;
- to provide to our Customer a full service from mould construction to end product serial manufacturing.

One can hardly think of modern world that does not use any plastic materials. That is why year by year we keep increasing our production capacity, using new varieties of raw materials and updating our fleet of capital and support equipment to meet the high standards of plastic product modern market targeting both business and private Customers.

Raketa company is a team of highly skilled constructors, software engineers, process planners, and operators. Professional behaviour inherent in our personnel and equipment quality enable optimal price-quality ratio of our products ensuring our Customer enjoys best terms for cooperation to our mutual beneficial.

Our cycle of plastic injection moulding includes:

- drafting technical documentation for the production of casting press moulds including engineering documentation (drawings, 3D-models);
- purchasing raw materials
- mould construction
- plastic injection moulding;
- delivering end products to Customer;
- moulds guarantee and post-guarantee maintenance;

Our foundry monthly converts 25 to 30 ton of raw materials into products consumed by automotive, electronic, construction, household appliances and food industry.

We apply a wide range of polymers, namely as follows: Polypropylene (PP), Polycarbonate (PC), Polystyrene (PS), Polyvinyl Chloride (PVC), Acrylonitrile buta-dienestyrene (ABS plastic), Polyamide (PA), Polybutylene terephthalate (PBT), Polyformaldehyde (PFL), Polyethylene (PE) using high-quality raw materials supplied by such manufacturers as SABIC, Bayer and LG.

On Customer's request a raw material is modified with glass, UV stabilizers, fire-retardant additives increasing impact, weather and fire resistance of relevant products.

Round-the-clock operation of our foundry enables a significant drop of price as paid by the Customer due to energy saving and reducing technological losses of raw materials during the equipment commissioning.

Our indisputable advantage is that we run our own facility for making production tooling. This enables our unaided manufacturing, tuning, and modifying moulds; besides, upon request of our Customer we are capable of performing guarantee maintenance and provide a complete production cycle from product design to its implementation.

Our own production tooling manufacture also enables us to consider changing Customer requirements in a good time, strictly observe the terms of scheduled supplies for end products and significantly extend service life for a mould.

Our workshop for making production tooling also successfully operates as an independent production unit.

We produce:

- moulds for injection moulding machine;
- industrial equipment for vacuum forming;
- press-tools and forging dies;
- electrodes for electroerosive machines;
- other types of varying configuration moulding tools.

Apart from that, we provide a variety of processing for the following items: parts, pills, nodes, forgings, electrodes, matrices, punches.

type of processing	the size of installed part
programmatic milling, multi-axis boring	900x500 mm;
circular grinding processing	Ø50x250 mm;
flat grinding processing	600x300 mm;
complex turning	Ø250 mm;
turning processing with computer numerical control	Ø300 mm;
electroerosive processing	400x200 mm;
blank preparation (universal milling, saw)	-

To produce a mould our experts need but a sample of the product or, if available, it's drawing or 3D model.

Foundry production is equipped with high-quality and reliable injection moulding machines, namely Grantway Machinery K90V-K380 (YOM 2008 to 2011), Borsche Machinery BT 260 (YOM 2008 to 2013).

All the injection moulding machines are completed with support equipment such as hydraulic motor, electric motor, solenoid valve, hydraulic equipment supplied by Vickers, Eaton, Bosch, Rexroth, as the leading European manufacturers.

The production tooling workshop runs AMM1100, FIRST-MCV1000 high-speed machining centres and AMM550CNC electroerosive machine group, as well as robust and reliable equipment of the following use directions: multi-axis boring, turning, multiwork and grinding.

Finished products will be packed into any containers requested by Customer (cardboard, film, pp-bags) and delivered into any regions of Ukraine, as well as to near and far-abroad countries with our motor vehicles or Customer's motor vehicles.



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