

SMATER s.r.l.

Plastic & Rubber Molding



From 1981

PLASTIC AND RUBBER
injection molding



Founded in 1981, Smater s.r.l is a company specializing in the **production of injection-molded technical goods in plastic and rubber**, servicing various industrial sectors.

Quality, innovation, efficiency and reliability are our distinguishing features which made us always stand out and allow us to establish strong relationships with major domestic and international players.

We engage with our costumers step by step, from design stage to delivery of the finished product.

Our ability, as a supplier, to bring such different worlds

as that of **plastic** and **rubber** together has allowed Smater, over the years, to provide our customers with new solutions, thus maintaining high competitiveness on international markets and a single representative for every need.

Our 40 years of experience, first certification obtained in 1998, together with high technology and an unmatched flexibility allow us to respond effectively to specific needs of the reference sector in an **extremely short time**.



Our numbers

<p>from 65 to 310 Ton</p> <p>tonnage range of the presses available</p>	<p>+800.000 Kg</p> <p>materials consumed yearly</p>	<p>+50.000.000 pcs</p> <p>pieces molded yearly</p>	<p>1.500 sqm</p> <p>warehouse for finished products</p>
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Environment

Smater uses a new generation eco-sustainable fume abatement system that guarantees a reduction in **adverse environmental impact**. We are authorised to release our emissions into the atmosphere, for industrial waste and noise and light pollution.

Moreover, our company decided to take action on **environmental protection** in relation to the sorting and handling of waste, the reduction of consumption and the reuse of water and other materials.

Certifications

We are certified ISO 9001:2015 since 1998.

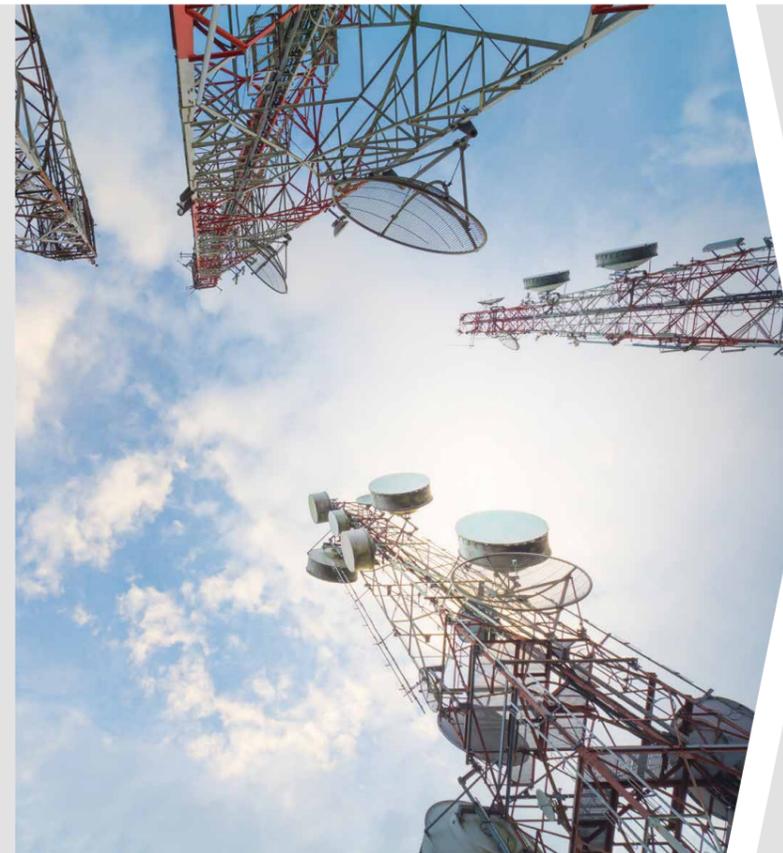
We respect the high quality standards expected by our customers, thus we are constantly improving our company and its organisational structure.

We can guarantee **high quality products**, at **competitive costs** and with the utmost attention to safety. All our products follow the standard quality plan that we designed and must pass specific tests in order to guarantee the **highest quality** to the end customer.



Automotive

We specialize in the production of accessories for alloy wheels (OEM and Aftermarket) and underhood components made of thermoplastics and rubber (pipettes, collars, bellows, caps...)



Telecommunications

We produce essential accessories for the installation of infrastructures (cable cleats, cable glands, loops, accessories for installation, wall boxes...)



Energy transmission and distribution

We boast a consolidated experience in the production of components for power lines (terminal blocks, sockets, dampers, warning devices...)



Household appliance

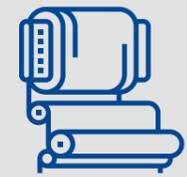
We produce components for the household appliances industry (iron rest pad, components for washing machines and dishwashers...)





Pumps and accessories for fluids handling

We produce multiple components suitable for the transportation of liquid or gaseous substances (pump casings, flanges, rotors, fans...)



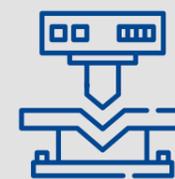
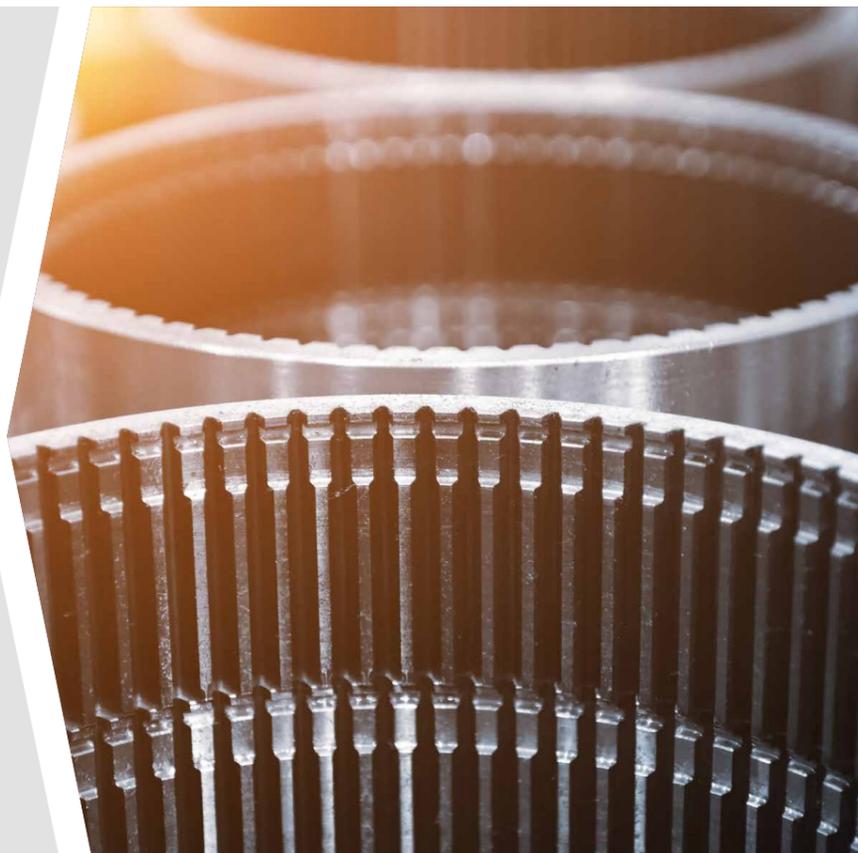
Textile

We are partners of various companies operating in the production of textile machinery, providing them with injection molded components (pedals, pins, brake assembly, compasses, cams, handles, supports...)



Security valves

We injection mold everything related to the industry of gas control valves (protective caps, piston calipers, steering wheels, cams, buttons, diffusers...)

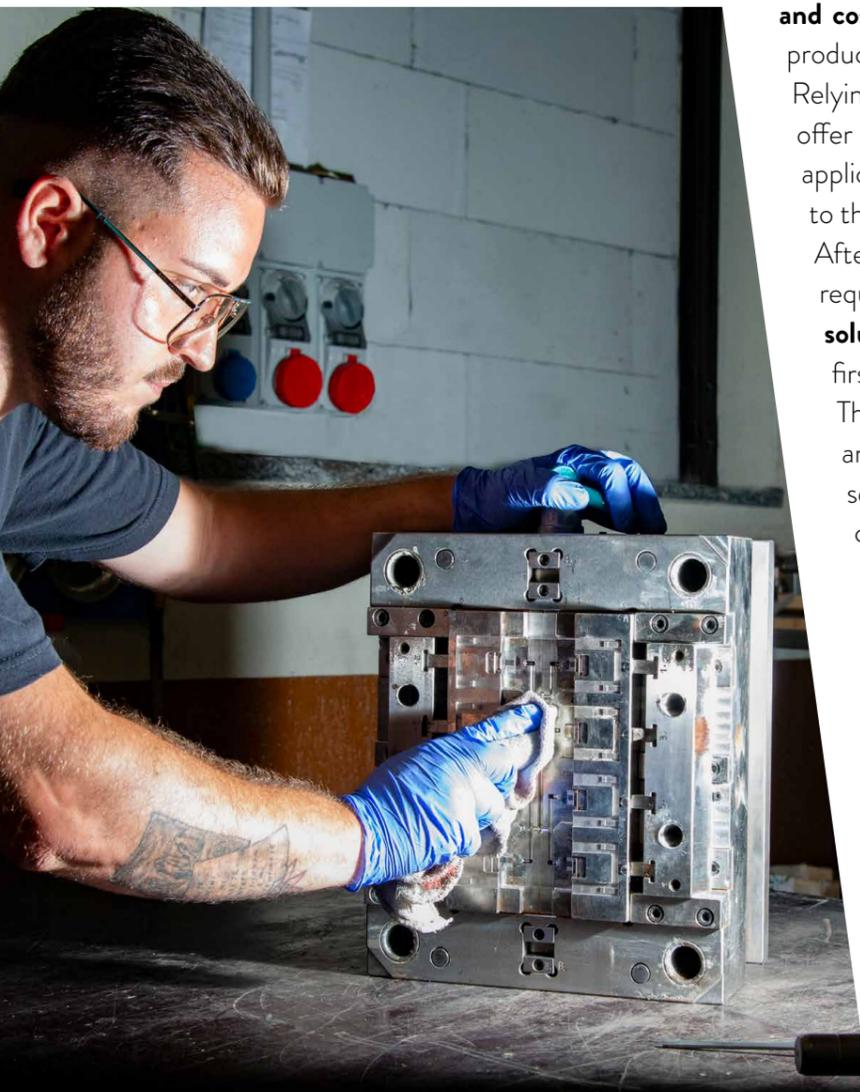


Engineering

We support the main companies in the metalworking industry by supplying them injection molded technical plastic and rubber products with complex shapes (anti-vibration, insulators, pulleys...)



Co-engineering, design and manufacturing of molds for plastic



Starting from a drawing (2D or 3D) or a sample (reverse engineering), we **help our customer** in finding technical solutions in order to **reduce production time and costs and to improve the performance** of their products.

Relying on over forty years of experience, we are able to offer the best solutions according to the specific application, from the selection of the raw material to the processing technology to be used.

After the analysis and collection of customer requests, in order to get to the best possible **solution in terms of quality, time and cost**, the first fundamental step is the **design of the mold**.

Thanks to our cooperation with various domestic and international specialized workshops, selected according to the type of application chosen, we design and produce molds for plastic materials, guaranteeing the customer the highest quality and a durable operation, in line with the required qualities.

We offer the possibility to create **prototypes through 3D printing or traditional molding**, using low-cost pilot molds, in order to identify potential problems or to evaluate possible changes to the project.

We also dedicated an area to the versioning, maintenance and cleaning of the mold in order to minimize the sampling and maintenance times.

Injection molding of plastic materials is a strong point for **Smater** and is a production process that guarantees numerous advantages, including cost optimisation, variety of sectors of use and large production numbers.

The molding department is equipped with **automated islands and injection presses** that ensure rapidity and quality, increasing the autonomy of daily production, thanks to the assistance of Cartesian robots and automatic separators.

The network connection of all our presses allows constant control of all orders and the traceability of all parameters adopted.

The high flexibility of our systems allows us to meet the most diverse needs, being able to manage big and small production batches, starting from the classical mono **material injection molding** in an automatic cycle up to the injection **overmolding** of parts in a semi-automatic cycle with operator on board of the machine used to join two different materials, e.g. plastic and metal (overmolding of metal inserts, screws, nuts, etc.) or plastic and rubber (rubber-plastic overmolding). This guarantees a constant aesthetic control of the pieces and the process all along the production.

Plastic molding



Materials

The selection of the **right raw material** is as fundamental as the **manufacturing process**. Smater relies on the main international suppliers, which guarantee a **top quality technical-commercial service**. Thanks to our equipment we can process a wide **range of plastics**, including **basic polymers, thermoplastics, technopolymers and superpolymers**.



Complementary services - PLASTIC

Smater relies on the collaboration established over the years with various partners, in order to provide secondary services to molding, including:

- Milling
- Turning
- Painting
- Chrome plating
- Screen prin
- Pad printing
- Ultrasonic welding

Additional services offered to our customers are **assembling and packaging**, to reduce the waiting time of the finished product.

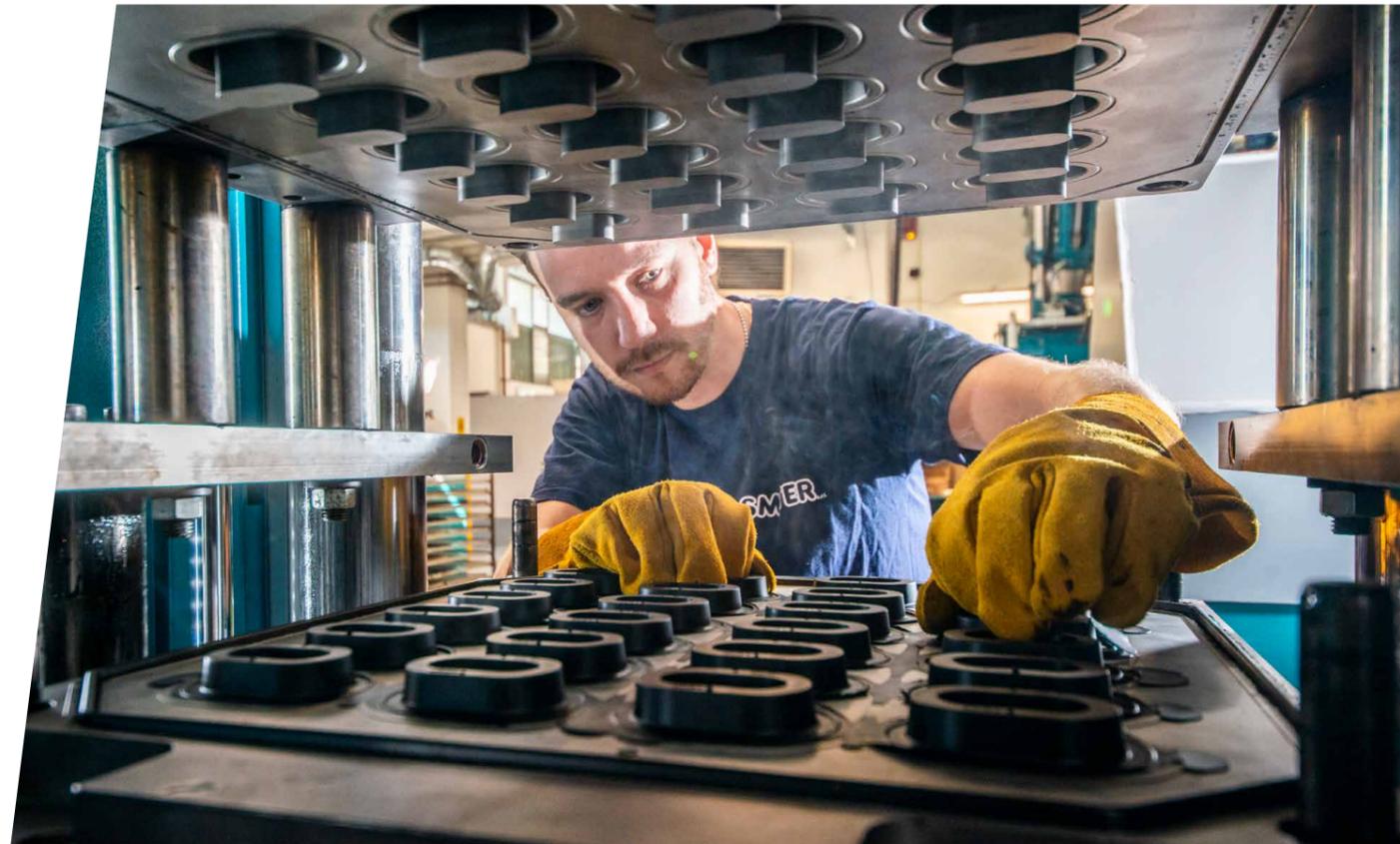
Mold design and compound selection

After the analysis and collection of customer requests, in order to get to the **best possible solution in terms of quality, time and cost**, the first fundamental step is the design of the mold.

Thanks to our collaboration with various specialized workshops, we design and manufacture molds in line with the characteristics required by our customers.

We support our customers in the **selection of the compound which best suits their specific needs**, suggesting the most suitable material according to the required application.

To guarantee a 360-degrees service, we have **compounds approved according to the standards** and the specifications of each specific sector.



Compounds

Upon entry, each compound is accurately checked in order to comply with standards agreed in advance and, only after our approval, is stored in our warehouse.

In order to monitor and keep constant the storage temperature of the compounds during the storage period, our raw materials warehouse is equipped with a special air-conditioned cell.

We process a wide **range of compounds**, including: **NBR, EPDM, AEM, ACM, HNBR, silicone and fluorinated compounds.**

Molding

Smater boasts a **long-standing experience in the molding** of technical rubber items made with various types of compounds.

Injection molding of rubber products is a strong point of our company, guaranteeing the specialization in the molding of items with **complex geometries.**

Our expertise and ability in **rubber-plastic and rubber-metal overmolding**, allows us to satisfy a wide range of international and local customers.

The presence of **highly qualified staff** on board the press allows constant aesthetic control of the pieces and of the process throughout the duration of production.



Complementary services - RUBBER

Smater uses internal technologies and longstanding cooperation with various external partners, in order to offer secondary services to the molding, including:

- Post curing (performed internally with the dedicated area)
- Deburring (manual or with nitrogen)
- Sorting and check (manual or automatic)

Additional services offered to our customers are **assembling and packaging**, to reduce the waiting time of the finished product.

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