



KAIPLASTICS

**COMPETENCE IN
PLASTICS PROCESSING**



**YOUR RELIABLE PARTNER
FROM THE IDEA TILL SERIAL-PRODUCTION!**



- Kai Plastics is part of the industrial holding Kai Capital
- Synergies in purchasing, technology and sales at three locations
- Strong partner from the idea to serial production
- Innovative manufacturing processes (plastic and magnetic injection moulding, 1-component foam technology, assembly of components, screen and pad printing)

Trust in our grown know-how over many decades

We develop products and complete solutions according to your requirements and are your reliable partner for plastic and magnet injection moulding, application of individual foam seals on different components, printing of articles in different processes as well as assembly of components.

Based on your drafts, drawings and specifications, we will realise your ideas to serial production. The reliable function of your products is ensured by the design of your idea of the finished plastic product suitable for the plastic material and our longstanding experience with suitable thermoplastic materials.

- Product development
- In-house development of assembly machines
- In-house toolmaking
- Strength calculations
- Prototyping

SERVICES
Injection moulding

One of our main competence is plastic injection moulding. Our production is designed for small and medium series as well as for large series production in multi-shift operation. Our state-of-the-art machinery and equipment includes 110 injection moulding machines with clamping forces from 150 kN to 3,500 kN, precise automatic assembly machines and automation systems.

Our range of services includes injection moulded parts with a weight from 0.1g up to 1,000g from all common thermoplastics, 2K injection moulding for hard and soft materials as well as the insert/hybrid technology for the overmoulding of metal inserts. We have extensive know-how in the field of technical plastic materials, which include polyamides, polycarbonate, numerous different TPE's and polyethersulfone.



Re-Plast GmbH



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SERVICES

Magnet injection moulding

The latest technology of our company is magnetic injection moulding. Highly filled thermoplastics with magnetizable fillers are processed to final products. Magnetization of the parts is realised directly in the injection process on specially equipped injection moulding machines and tools. As a system supplier, we are able to produce plastic-bonded ferrite magnetic components in one process step for application in housings, rotors or gears. The overmoulding of different inserts is possible, as well as an almost free design of the geometry.



Foam sealing

A further innovative process at Kai Plastics is the future-oriented 1-component foam technology, which we have integrated into our automated production. This technology enables us to apply the sealing material precisely and in 3 dimensions individual on your components. Many different types of materials can be used. For a sealing system, protection against moisture and dampness is the greatest challenge. Single-component foam sealing technology is now state-of-the-art. The innovative, closed-cell Penguin Foam® from SUNSTAR, in contrast to two-component foams, still guarantees a tightness even when the surface of the foam has been damaged.



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Im Schalsbach 1 · 57319 Bad Berleburg-Alertshausen · Tel. 02750 222 515-0 · www.lvt-transporte.de



KAIPLASTICS

Kai Plastics is an internationally oriented and strongly growing group of companies with three locations in North Rhine-Westphalia/Germany.

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Die handeln für uns!

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