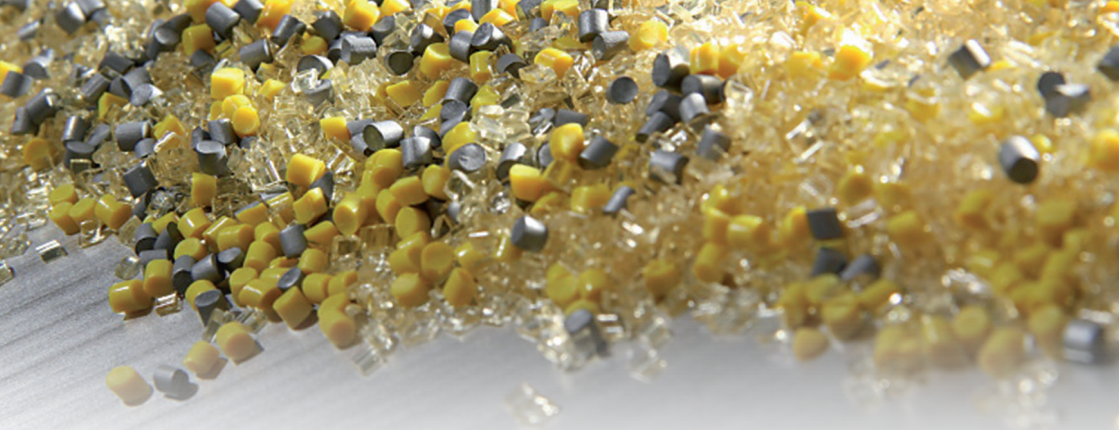




Discover
your
Hotmelt
Moment





Low Pressure Moulding (LPM) in a nutshell

With 5-40 bar, the production process takes place at much lower pressures than in the conventional injection moulding method. This makes it easily possible, to even directly mould fragile components such as PCBs, sensors, etc.

The cycle times are reduced to the moulding process which, depending on the size and shape of the components, take around 10-60 seconds. Subsequently, a direct further processing is possible, which is a significant advantage in saving time compared to e.g. the 2-component casting.

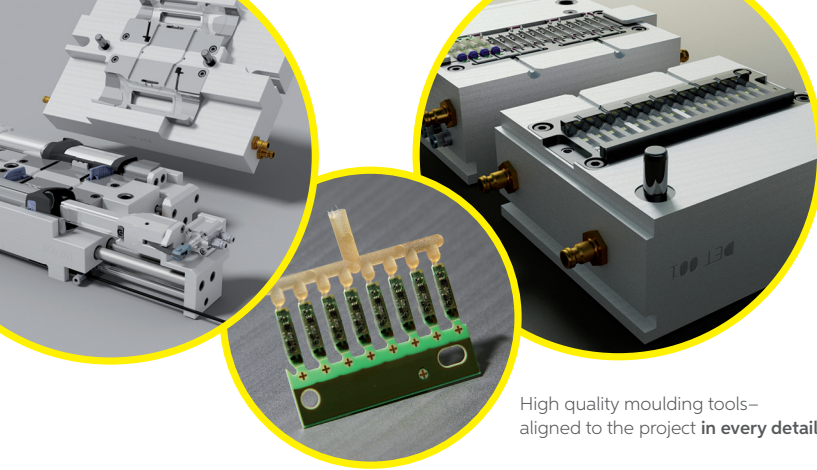
The adhesive properties of the materials used make it possible, with the right combination of materials, to protect components up to IP 67.

By optimizing the material flow, moulding with the thermoplastics used can also be realized for temperature-sensitive components.

Various material properties and processing variants, combinations of different materials and possibly further process steps enable a wide range of applications.



Headquarter in
Iserlohn

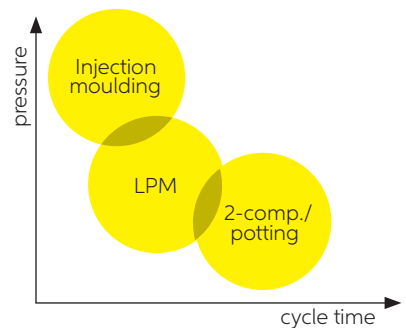


High quality moulding tools—
aligned to the project **in every detail**



Selection of the individual flexible **OptiMel machine program**

- Low pressures
- Short cycle times
- Tightness up to IP 67
- Operating temperatures -40°C to $+150^{\circ}\text{C}$
- Housings can be replaced
- Suitable as strain relief
- Also applicable for temperature-sensitive components
- Broad range of applications due to different material types and processing variants



Your partner for success

Born out of a development group – **OptiMel** was founded in 1995 by Henkel KGaA as a machine and project partner for newly designed thermoplastic hotmelts. Today Low Pressure Molding is an approved technology of protecting electrical and electronic components.

Since 2001 **OptiMel** is an independent full-service provider in this field. Based on our many years of experience, the extensive and flexible processing equipment, as well as comprehensive consulting and services, we offer tailor-made solutions for every project.

We support you from the first planning steps, through the implementation of the technology in your production up to the running production.

Through innovative processes, technical development and the close partnership with Henkel as the manufacturer of Technomelt® materials, we are constantly expanding the application possibilities of the LPM-technology.

- Pioneers in Low Pressure Molding with more than 25 years of experience
- Modular machine system for customized solutions
- Special machines – also for integration in production lines
- Own toolmaking
- Extensive service and support offers
- Prototyping and samples
- Development and distribution partner for Technomelt® moulding materials
- Based in Germany – cooperation with international partners

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