

Injection Moulding

Precision at the highest level.



Schlemmer Group

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Schlemmer. Your injection moulding expert worldwide.

Over 200 development engineers

Global development centres 24/7

Over 27 production sites

Over 300 injection moulding machines

International project teams

Global consulting, development and production.

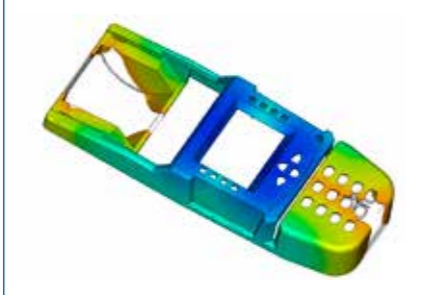
Consulting

- Material selection
- Design and function consulting
- Requirements analysis
- Project management



Construction & development

- 2D and 3D CAD construction
- Modeling & Prototyping
- Component analysis
- Process & filling simulation
- Documentation



Toolmaking, production & assembly

- Global toolmaking
- Small to large series
- Global production
- Global assembly



In line with the trend: from lightweight construction to sustainability.

Materials

- Standard, engineering and high-performance plastics
- Combination with fiber composites
- Regranulates
- 2K and 3K parts

Processes

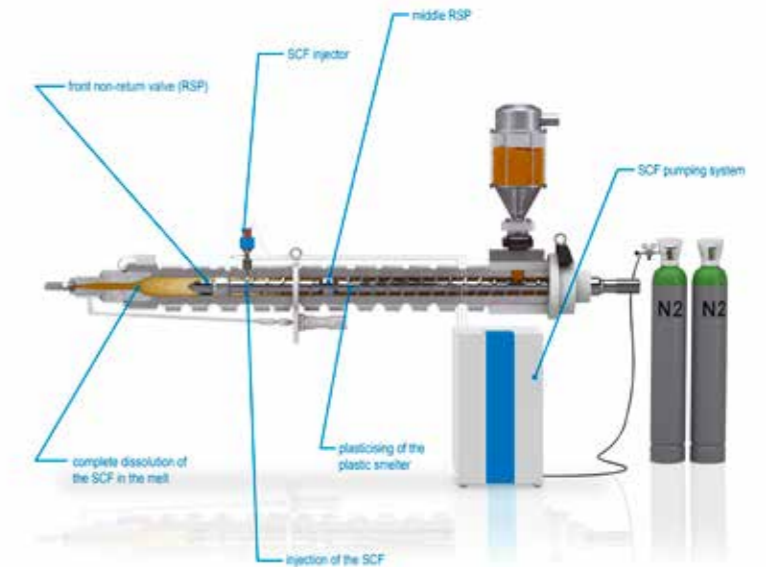
- Standard injection moulding
- High precision injection moulding
- Hybrid injection moulding
- MuCell injection moulding



MuCell – small enhancement with huge impact.

Our special MuCell injection moulding technique describes a physical foaming process of thermoplastics in which nitrogen or carbon dioxide is injected under high pressure into the plastic melt.

Lightweight construction with system.



BENEFITS

Environmental

- Reduced CO2 emissions through lighter components
- Reduction in density
- Weight reduction of up to 10 per cent
- Sustainability through lower consumption of petroleum-based raw materials

Economical

- Cost benefits through material savings of up to 10 per cent
- Reduction of machine clamping forces
- Over 10 per cent faster cycle times

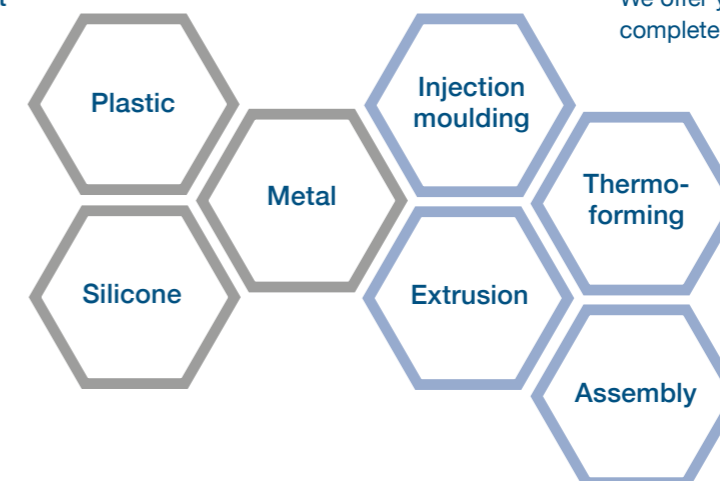
Qualitative

- Higher dimensional stability
- Reduction/Elimination of sink marks
- Minimisation of distortion by eliminating inner tension

High flexibility for a perfect solution.

Hybrid products

We bring together the most diverse components.



Combination of procedures

We offer you customised complete solutions.

Injection Moulding

Applications



Crankcase ventilation

Application: Powertrain

Combination of our manufacturing processes injection moulding, extrusion, thermoforming and assembly.



Control housing

Application: Brake booster

Central control valve of a brake booster.



Pump holder

Application: Fuel delivery unit

Sound damping hanging of fuel pump.



Stator

Application: Electric drive

Coil carrier for electric motors.

The **Schlemmer Group** is a globally operating technology expert focussing on the development and production of industrial solutions. Drawing on 60 years of experience in cable protection, the Group has evolved into a leading and comprehensive value added supplier. In addition to the traditional business segment Automotive, the Schlemmer Group operates in numerous other industries with its business segments Industry and Appliances.



Do you have any questions?

Visit our website at
www.schlemmer.com
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