

SCSplastic – Swiss Precision - Chinese Efficiency

- Your trusted partner for plastic solutions

About SCSplastic

SCSplastic, a division of **SwissChina Solutions GmbH**, specializing in plastic engineering. Focus on plastic development, design, manufacturing, and global delivery of high-quality plastic solutions.

SwissChina Solutions
Your Trusted Partner for Business Collaboration

Medical Parts Reference

Tight tolerance, complex geometry part for a diagnostic device



Various types of complex medical parts

Development and quality controlled in Switzerland



Our Swiss engineering team brings over 20 years of experience in the plastic industry.

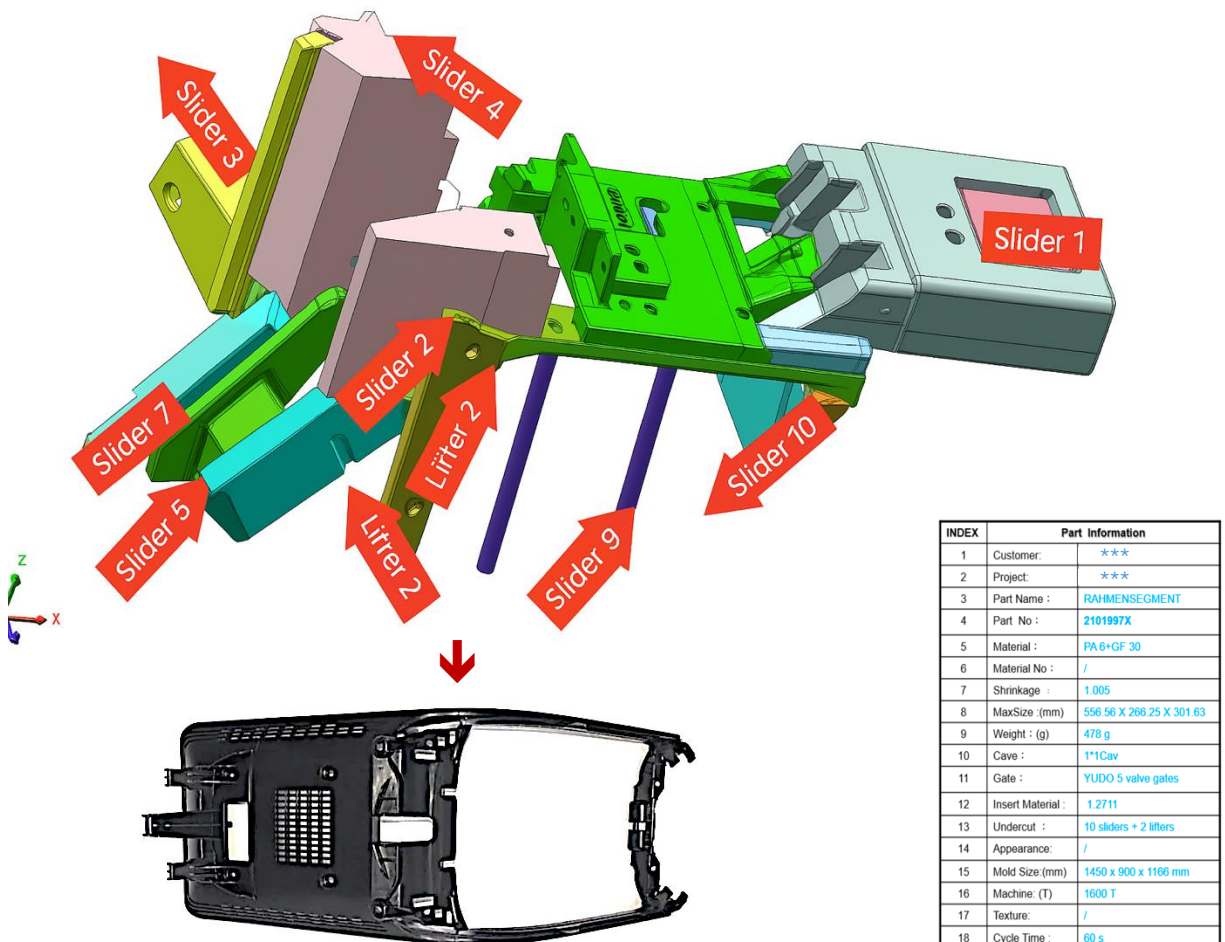
We oversee every step

— from concept to final delivery ensuring precision, efficiency, and Swiss-level quality.

- Tooling is validated in Switzerland
- Production is supervised by our Swiss team
- Documentation follows Swiss QMS standards
- Partner certified under ISO 9001, ISO 13485, and IATF 16949

Advanced Engineering

- Feasibility assessment
Design review to detect risks and ensure moldability.
- Technical consultation
Support on material choice, part design, and mold layout.
- Prototyping
FDM, SLA, or SLS samples (ABS / PLA / PA) for visual, fit, and functional testing.



Simulation Capabilities

- **Moldflow analysis**

Simulates flow behavior to detect weld lines, air traps, sink marks, and pressure loss.

- **Gate and runner optimization**

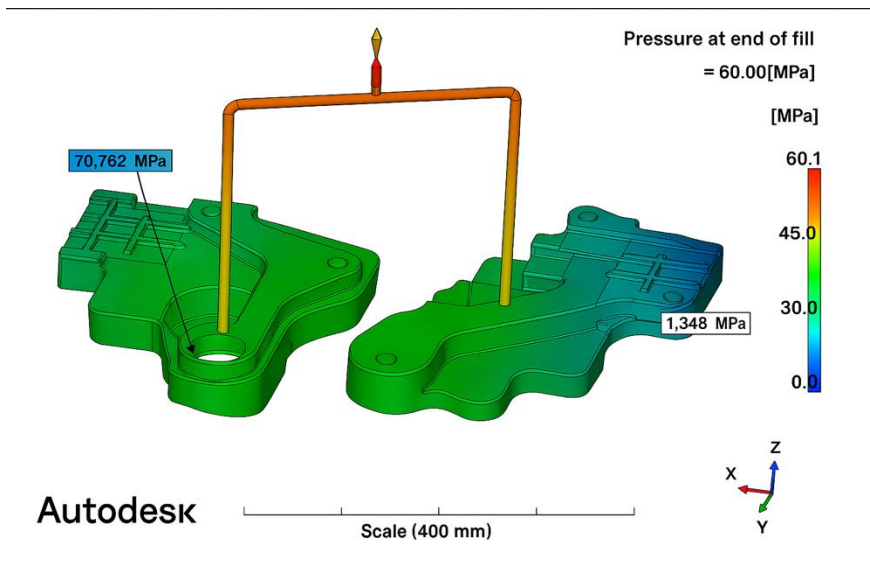
Evaluates best gating position and runner size to ensure balanced filling and reduce warpage.

- **Cooling system evaluation**

Simulates temperature distribution to improve cooling time and cycle efficiency.

- **Filling pressure & clamping force estimation**

Accurate calculation of pressure at end of fill and required clamping force for mold selection.






Pressure distribution at end of fill, simulated with Autodesk Moldflow — helps optimize gate location and injection parameters.

Production in China



Our long-term partner in China brings over 20 years of experience in plastic injection molding, delivering high-precision, certified components for global markets.

 ISO 9001:2015  ISO 13485:2016  IATF 16949:2016

Production in China

Tooling Capabilities:

- CNC • EDM • Wire Cut • Grinding • Milling



Precision tooling and high-volume production of plastic components

Injection Molding Machines + Clean Room

*Clamping force range: 50to - 1300to
including 2K and 3K capabilities*



Cleanroom Area



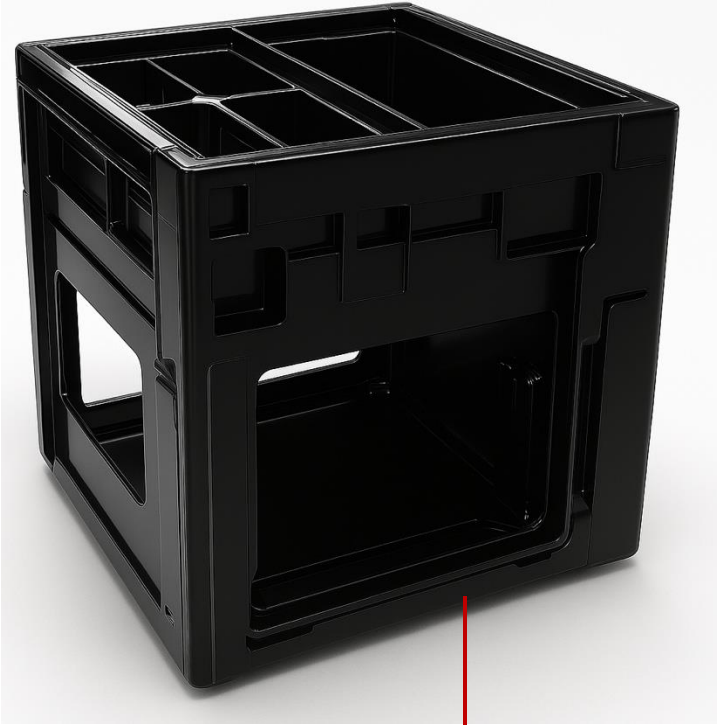
Cleanroom for Medical Parts

Cleanroom Production for Medical Parts



Manufacturing in ISO 13485-certified cleanrooms — meeting the highest requirements for medical-grade production.

Food Grade Parts Reference

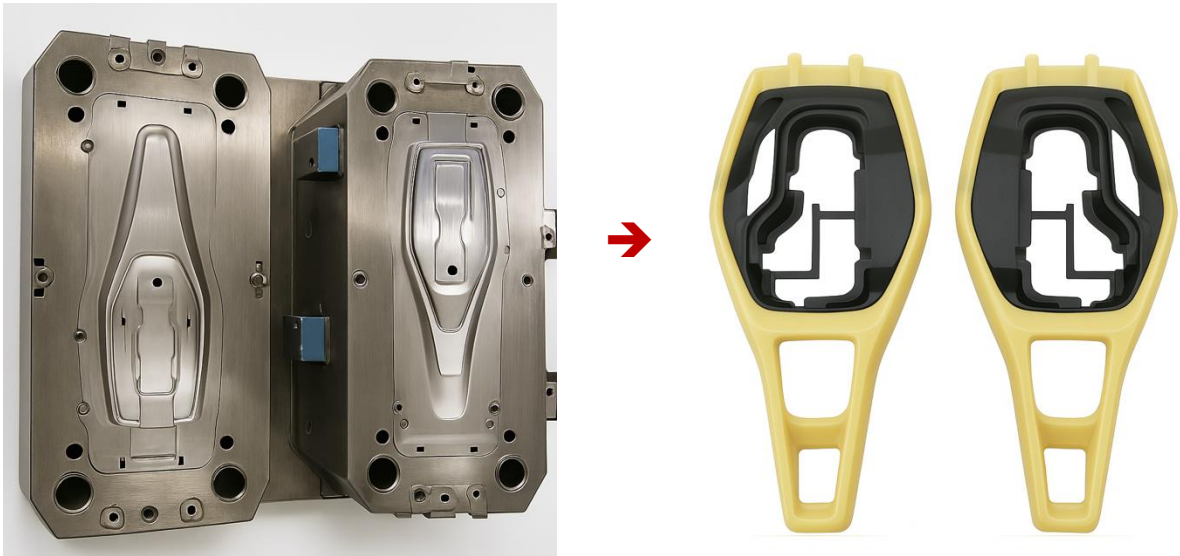


Complex single part for the internal structure of a coffee machine.



Produced with food-safe materials in accordance with international hygiene standards.

Industrial use – 2K Injection Parts



Various 2K molds produced using soft material (black / yellow), processed at ~ 90 °C.

Precision Parts



Precision plastic parts ensure high performance, dimensional accuracy, and long-term reliability — essential for complex assemblies, fluid handling, and mechanically demanding environments.

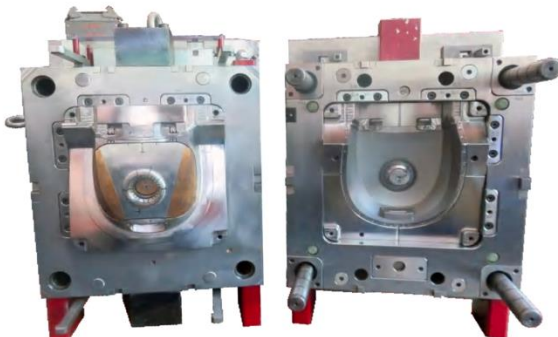
Insert Parts and Connector



High-precision insert-molded and connector parts with ± 0.01 mm tolerance — used in electronics, medical devices, and industrial systems requiring exact fit and reliable function.

Production in China

Mold to Product



From mold design to finished product — delivering fully integrated tooling and injection molding solutions for consumer, industrial, and electronic components.

Mold Spare Parts

We don't just build molds — we build long-term partnerships.



SCSplastic guarantees long-term mold support even years later.

- *Fast production & delivery*
- *Full digital design traceability*
- *Spare parts reproducible anytime*



The future holds exciting opportunities
and we look forward to exploring them with you.

Let's build something remarkable together!

Thank you ! Danke ! Merci ! Grazie ! 谢谢 !

SCSplastic: your long-term partner. 🇨🇭

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