HIGHER QUALITY.
FASTER MOLDS.
Established in 1952, SCHÖTTLI has evolved from pioneer of the injection molding industry to global player and specialist for developing and manufacturing molds and complete solutions for medical parts. Thanks to a network of development, engineering and service facilities in Switzerland and the US, we supply customers with high-tech solutions for the Medical segments.

Since 2013, SCHÖTTLI has been part of the HUSKY group. With 10 production plants and over 30 service locations HUSKY offers the world’s most comprehensive organization in the injection molding market – also in your neighborhood.
WE AIM TO GENERATE BENEFITS THAT HELP OUR CUSTOMERS STAY AHEAD OF THE COMPETITION

To this end, we apply the ideas and experience of our teams and operate a network of facilities. We want you to benefit: from optimum quality and precision, superior technologies, short delivery times and high delivery reliability, all of which translates into a high cost-efficiency.
HIGH-PRECISION MOLDS –
MAXIMUM
RELIABILITY

We develop molds for your medical and laboratory parts such as syringes, cuvettes, dialysis components, infusion/transfusion parts, pipette tips, blood test tubes or petri dishes with maximum precision and reliability. In addition to this, we support you with our expertise and experience at all stages of your product optimization process.
As part of our product portfolio, we offer you high-performance injection molds for the production of function- and weight-optimized medical and laboratory parts. With our strict focus on quality along our global value-added chain, we offer you solutions with leading-edge reliability, efficiency and durability.

With development, engineering and service facilities in Europe, the US and Asia we offer you the professional expertise of a global specialist for Medical molds. Thanks to many years of experience and know-how, we assist you with your product optimization processes and develop molds for the following areas of application:
HIGH PERFORMANCE –
MAXIMUM OUTPUT

WE DEVELOP MOLD CONCEPTS THAT SET STANDARDS IN TERMS OF QUALITY AND OUTPUT RATE FOR THE PRODUCTION OF ROTATIONALLY SYMMETRIC PARTS SUCH AS SYRINGES OR NEEDLE HOLDERS

Side gating, which is based on our in-house hot runner technology, provides us with an innovative and compact mold concept. Lateral, symmetrical gating prevents core deformation, which improves the part quality concerning wall-thickness variations and warpage, reduces wear and maintenance costs and significantly increases the mold’s life time.
A majority of mold components can be exchanged quickly – maintenance work can be carried out in the installed mold, which minimizes downtimes and increases the yield of your product.

Thanks to our cluster design our mold solutions increase your productivity and efficiency. With various nozzle systems, SCHÖTTLI molds require minimal installation space and guarantee the highest product quality.

As an innovative solution we have the newly developed 8-cavity star nozzle in our portfolio to further increase the productivity per operation space with increased output combined with smaller mold sizes.

With a well thought-out energy management concept – any energy input that is not used in the cavity has to be carried off again – our molds combine minimum cycle times and maximum output rates with high reliability and process safety. In addition to this SCHÖTTLI Medical molds are distinguished by their impressively easy assembly, optimum accessibility and minimum maintenance requirements.
COMPLEX REQUIREMENTS –
SAFE SOLUTIONS

Developing molds for complex, multi-dimensional medical parts require an experienced partner. Our experienced team of engineers defines the optimum solution for your application in terms of dimensional stability, material specification, surface quality and functional requirements.
We also offer solutions for multi-dimensional demolding of cubic and rotationally symmetrical components with a variety of details.

Many years of experience in the development of molds for complex medical parts allow us to build on tried-and-tested methods and intelligence when we approach new projects. The fact that we do not have to reinvent the wheel for every new project means that we can focus on optimizing, inventing, testing and implementing new solutions instead – which allows us to test the limits of possible solutions in order to keep you ahead of the competition.
Engineering is at the heart of our SCHÖTTLI mold making facility. According to our philosophy of human driven technology, our engineering team applies their experience, expertise and enthusiasm to creating unique solutions. This is where innovative specialists with a pioneering spirit and ideas are working with state-of-the-art tools for rheological, thermal and mechanical analysis and process simulation. This way we can improve our molds' precision, efficiency and service life.
In order to apply our theoretical intelligence to practical processes, each mold is subjected to an extensive validation process. The molds are only accepted and shipped if all sample specimens achieve the specified requirements and the optimum injection molding process for these parts has been defined.
Over decades of experience we have created a value-added chain with perfectly customized service modules. All SCHÖTTLI high-performance molds are designed to meet one objective: the sustainable reduction of production costs through reliability, durability and high output rates. The SCHÖTTLI value-added chain shows which service modules are available from the SCHÖTTLI family, and how we assist you in detail.

**EXACTLY WHAT YOU NEED**

**SUPPORT FOR PRODUCT DEVELOPMENT, PRODUCT OPTIMIZATION**

- Design for Manufacturing
- Prevention of material problems
- Optimization of the gating point

**DEVELOPMENT OF A MOLD CONCEPT**

- Thermal and rheological analyses
- Simulation and optimization of the cooling concept
- Optimum hot runner analysis and configuration

**FAST MOLD PROTOTYPING**

- Fast production of part specimens which are ready for production
- Test and optimization of the mold concept
- Availability of different standard molds from the SCHÖTTLI Group, which only require the production of cavity inserts
STATE-OF-THE-ART PRODUCTION MOLD ENGINEERING

- Deployment of high-precision and state-of-the-art high-tech machining technology with a high automation level: e.g. 5-axis simultaneous hard milling, 5-axis laser treatment, profile grinding
- Extensive documentation of individual processing steps to ensure reproduction of replacement cavities through the entire service life time

MOLD ACCEPTANCE AND PROCESS CAPABILITY

- All SCHÖTTLI molds are subjected to acceptance tests at our own technical center (CH, US) with 10 injection molding machines with clamping forces ranging from 80 tons to 580 tons
- Customer injection molding machines can be installed for joint acceptance and validation
- Wide range of customer mold and process training services

LIFECYCLE SERVICE, SPARE PARTS, MOLD REVISION

- Global one-to-one after-sales service and support
- Fast spare part delivery thanks to local production
- Exchangeable cavities, easy handling, long mold service life
- Support during start-ups, customer training, training and process optimization
The molds for your optimum medical and laboratory parts are manufactured at our international facilities in a highly efficient and seamlessly documented workflow. This means that all our procedures are defined by end-to-end quality management, state-of-the-art machinery and a team of experienced professionals with excellent qualifications, many years of mold engineering experience and a staunch commitment to our corporate philosophy of human driven technology.
IN ADDITION TO OUR DEVELOPMENT AND ENGINEERING EXPERTISE, WE ALSO OFFER A COMPREHENSIVE, INTERNATIONAL LIFETIME SERVICE PACKAGE – EVEN FOR MOLDS FROM EXTERNAL SUPPLIERS

With our international network of development, engineering and service sites in Switzerland, the US and China and numerous international distribution and service representations, we offer you one-on-one support all over the world. For the entire lifecycle of your SCHÖTTLI mold, we guarantee spare parts supply, repair your mold components, equip your mold for new product variations or subject it to a complete overhaul for another lifecycle.
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