

# FORM PARTS FOR MEDICAL AND LABORATORY TECHNOLOGY

Strict hygiene regulations and a consequently technologically demanding production process determine the production of plastic moldings of the highest quality for medical and laboratory technology. Only high-quality raw materials and tool components are used for these injection molding tools. Often only biocompatible lubricants are approved for the tools or they must even be produced without lubricants. Innovative sliding coatings are all the more in demand. Furthermore, there are usually special requirements for tool maintenance, tool inspections, cleaning and storage. In addition, injection molds used in medical and laboratory technology are subject to increased expenditure for risk assessment, validation, product documentation and product support.

## We analyze:

- the injection molding material (strength, temperature, media, tribology, material price)
- the injection-molded construction (draft angles, sink marks, ribbing, tolerance evaluation, cutting burr, position of the injection point, wall thicknesses, weld lines)
- tool technology (technology 1K, 2K, tool life, short cycle time)
- the injection process (technology 1K, 2K, specifications such as machine capabilities, process capability)
- the assembly processes

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