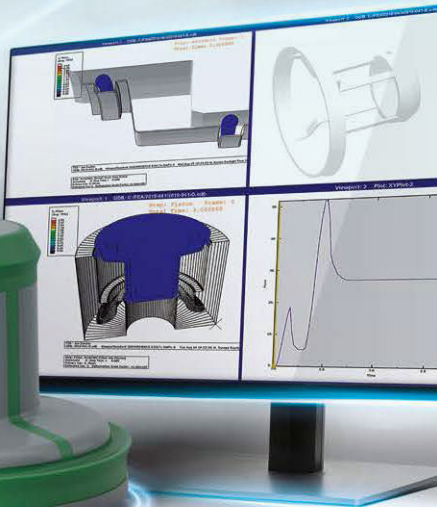




The Innovation Center



BRING PRODUCTS TO LIFE. FASTER.

The Innovation Center provides access to a team of materials science, prototyping, tooling, and design for manufacturability experts with in-depth experience in the medical device and pharmaceutical industries who build products with customers from the ground up.



Differentiated, valuable products. One of the most tangible customer benefits of the Innovation Center is the development of higher-value products. Engineers — and others committed to bringing breakthrough products to market — can come to the Innovation Center with their design goals and collaborate with our experts. This focused co-creation process results in componentry and overall product performance that exceeds expectations.



Greatly accelerated product development schedules. Our approach leverages production intent prototype tooling and processes saving customers time and allowing for testing of fully functional prototypes early in the process. Product development cycles that once took months can be accomplished in weeks — often with better results in performance, price, and ingenuity.



A more cost-effective approach. A manufacturable design combined with a smooth transition to prototyping and global production is critical to the success and profitability of a project. With the Innovation Center, customers bring us their product goals and our teams work together to develop an optimal design from the start. This can save weeks — and tens of thousands of dollars — in the design process.



A broad portfolio of prototyping materials. We've built — and continue to expand — our portfolio of custom elastomer and thermoplastics compounds, all of which can be used to create production intent, production-ready, and fully functional prototypes through our Innovation Center process.

SERVICE PORTFOLIO

The Innovation Center offers a full range of services, including:

- Design for Manufacturing (DfM), helping make the product more cost effective
- Mold Flow Analysis
- Extensive in-house toolmaking capabilities
- Generation of build-quality prototypes within 24 hours
- Production quality steel-tooling
- Building to 3D CAD models
- Raw material traceability
- ISO certified manufacturing facilities that meet US Food and Drug Administration (FDA), European medical device and global water regulation requirements
- Advanced elastomer and thermoplastic component materials science
- Full spectrum of materials

WHAT AWAITS YOU AT OUR INNOVATION CENTER

Customers who come to the Innovation Center will work side-by-side with experts such as materials scientists and design engineers to achieve new levels of creativity, innovation, and speed.

A formula for speed. Our Innovation Center features a materials science lab and completely integrated processes for product design and prototype tooling build. Under one roof, we take a typical four- to six-week development process and condense it to as little as 48 hours. The output is production intent and fully functional prototype parts.

A full spectrum of materials. Our materials sciences experts collaborate with customer teams to explore a full range of materials, including LSR, HCR silicone, custom thermoset elastomeric formulations, and thermoplastics. Additionally, we can apply our innovative and ever-growing coatings and surface modification chemistries to enhance our materials science solutions, including CoF reduction.

Complete design services. We offer the equipment, processes, and experience to support product development, identify potential improvements at the design stage, and explore complex geometries and multi-material designs.

Accurate prototyping. We create samples with a focus on prototyping parts that are as close as possible to the final process in terms of tooling and the build-quality achieved. This process approach reduces the number of variables when ramping to serial production.



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