



# Healthcare Case Study

## Learn how GW Plastics Re-Designed, Re-Engineered and Re-Tooled an Intricate Breast Biopsy Device.

There's no substitute for hard work and ingenuity in the plastics business. But when it comes to simultaneously innovating both product and process for the medical industry, it takes a powerful combination of capabilities, expertise and resources to get the job done. Quickly. Effectively. Successfully.

### The Challenge

That's just what happened when one of the world's biggest names in medical equipment and supplies approached GW Plastics with a formidable challenge: re-design, re-engineer and re-tool the manufacture of an intricate mammotome breast biopsy device. Further, they needed the first units delivered in less than four months. Well - let's just call that a "demanding" challenge. But as the saying goes, "if it were easy, anybody could do it."

### Why GW Plastics?

A full service, high-precision injection molder with industry-leading design capabilities and extensive experience in close-tolerance components and assemblies, GW Plastics is uniquely qualified to meet and exceed our customer expectations.

From product and process development to program management and validation and all the way through to state-of-the-art production manufacturing, GW has what it takes to provide the right solutions in record time, especially where advanced medical products are concerned.

### Getting It Done.

The GW Plastics Engineering, Advanced Quality and Production teams went right to work with our customer to assist them in conceptualizing and executing a new manufacturing approach involving 16 parts from 15 molds. As a result of our joint efforts, our customer realized a significant cost reduction as two new GW Plastics-designed parts were used to replace five existing parts and their related assemblies. Early engineering involvement ensured exceptional component and assembly manufacturability and quality - all on-time and at a competitive price. In the process, some of the most advanced molding technologies in the industry were applied to a wide range of engineering resins including PTFE impregnated PC, glass filled PC, Vectra LCP and Pellethane.



# Healthcare Case Study

Precision gear design, Insert molding, and thinwall, high speed molding all were part of our success story. And perhaps most amazing is the Program Management accomplishment. The entire re-engineering process – from the initial design review through our successful production launch – was accomplished in less than 14 weeks!

We rose to the challenge for one major medical manufacturer. We can do it for you. Find out how GW Plastics has the experience to deliver.



Give us your next challenge. **Let's innovate together.**

For more information, contact:  
Zoe Cole-Levesque, Marketing Coordinator – [Zoe.Cole-Levesque@GWPlastics.com](mailto:Zoe.Cole-Levesque@GWPlastics.com)  
Or visit us at [www.GWPlastics.com](http://www.GWPlastics.com)