



Medical Market Case History

Learn how GW Plastics re-designed, re-engineered and re-tooled a process to manufacture 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.

And that's just what happened when one of the world's biggest names in medical equipment and supplies came to GW Plastics with a formidable challenge: re-design, re-engineer and re-tool a process to manufacture an intricate mammotone breast biopsy device. And to have the first units delivered in less than four months... well... let's just call it "demanding." But as the saying goes, "If it were easy, anybody could do it."

Why GW Plastics?

As 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. Especially where advanced medical products with plastic parts are concerned.

From development to program management, design assistance to validation, all the way through to state-of-the-art manufacturing, GW has what it takes to provide the right solutions in record time.

Getting It Done.

The GW design assistance team went right to work with the customer to help develop a new approach that incorporated 16 parts from 15 molds. That presented a significant cost reduction because two GW-designed parts replaced five existing ones and their related assemblies. Early engineering involvement ensured component manufacturability, component quality and cost-effective pricing. Also, 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.



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Insert molding, precision gear design and thinwall, high speed molding all were part of the process to achieve the desired results. And perhaps the most amazing part is the Project Management story. The entire process – from design to molds to production – was accomplished in less than 14 weeks!

We did it for one major medical manufacturer. We can do it for you. Put GW Plastics to work on your next challenge. Let's innovate together.

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