

Case Study

Ideas for Micromolding – Two Shot Molding Conversion

The Market:

The customer is a medical technology company with an emphasis on surgical devices and equipment for minimally invasive interventional procedures within the cardiovascular system. The company's products include peripheral and cardiac laser catheters for ablation of stenosed and occluded arteries above and below the knee and within the coronary arteries.

The Challenge:

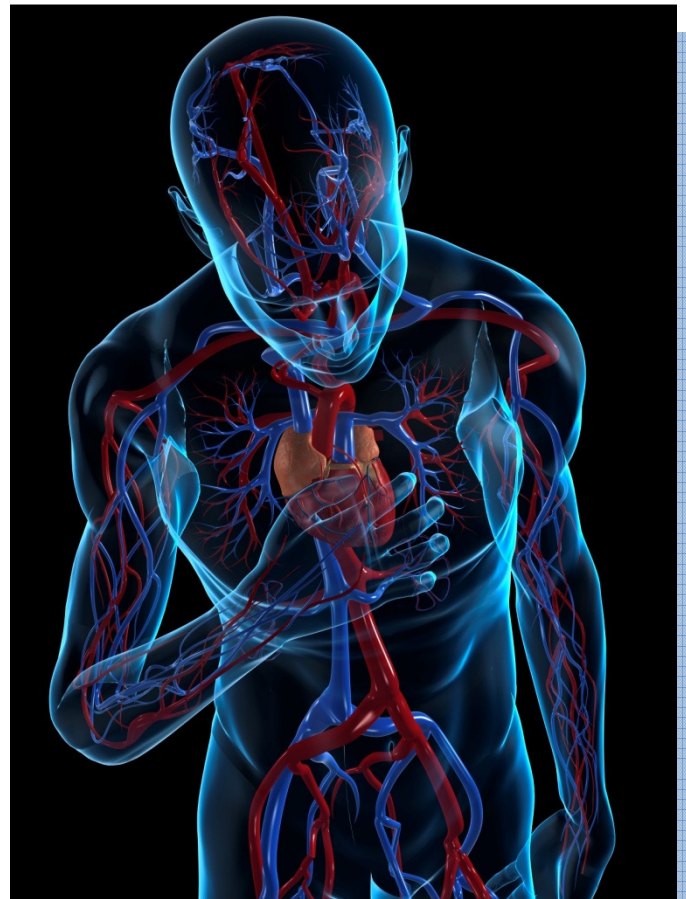
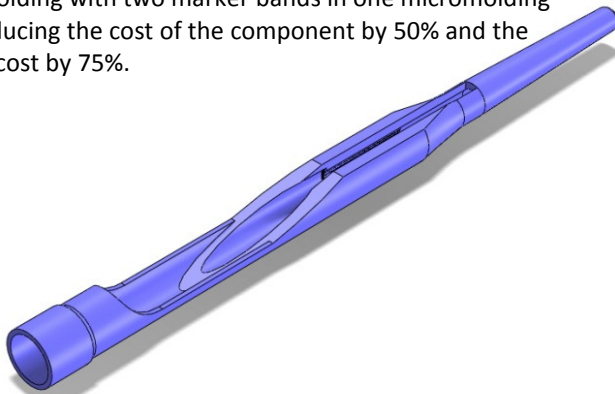
The customer approached Mikrotech looking for a way to manufacture the component in a more cost-effective manner. The existing component had to be molded twice to permit the use of two platinum marker bands and a passage way for the laser to function adequately. Molding the two materials together was difficult and expensive.

The Solution:

The key is Mikrotech's best-in-class micromolding equipment, with twice the precision and repeatability as conventional molding equipment. It enables us to fabricate smaller components, incorporate complex features and reduce the number of components needed.

The Results:

Mikrotech was able to convert the component to insert micromolding with two marker bands in one micromolding shot reducing the cost of the component by 50% and the tooling cost by 75%.



About Mikrotech, LLC

[Mikrotech](#) is a leading full service micromanufacturer of custom-designed miniature components and subassemblies for medical devices used in minimally invasive surgery (MIS). Mikrotech offers a comprehensive range of services to support MIS designers and manufacturers in all phases of the product development cycle: plastic [micromachining](#), [micromolding](#), [insert micromolding](#), [micro subassembly](#) and [design and manufacturing engineering assistance](#).

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