

Case Study

Ideas for Micromolding – Micromachining Conversion

The Market:

The customer is a medical technology company with an emphasis on surgical devices and equipment for minimally invasive procedures and monitoring. The company's products are used in the clinical areas of arthroscopy, powered surgical instruments, electrosurgery, cardiac monitoring disposables, endosurgery and endoscopic technologies.

The Challenge:

Mold the smallest implantable press-in anchor in the marketplace. The cost to machine this component in production volumes was high. It must meet or exceed the strength specification of a similar machined component at a substantially lower cost.

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 achieve tolerance targets on miniature complex products that conventional molding cannot maintain.

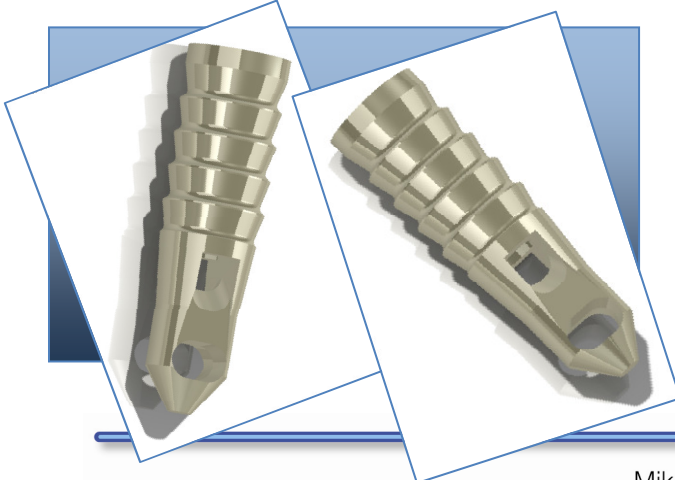
The Results:

The company was able to market the next generation of press-in suture anchors; the smallest press-fit anchor for use in shoulder arthroscopy.



About Mikrotech, LLC

[Mikrotech](#) is a leading full service micromanufacturer of custom-designed 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](#), and [design and manufacturing engineering assistance](#).



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