



MEDBIO®

## HELPING INNOVATIONS BECOME REALITY.



When SBE Medical needed a partner to take their project to completion, Medbio delivered innovative, cost-cutting solutions.

### THE CHALLENGE

About **3.5 million catheters** are placed each year in the U.S., a significant percentage of patients being female. Available catheters for women cause skin irritation, leakage & incontinence, as well as a complete loss of dignity.

**A better solution was needed.**

### THE TEAM

Mary Tibbe, a former Clinical Nurse Specialist at Corewell Health, created **the Tibbe™** as a solution to reduce or eliminate issues. After multiple design iterations, testing with patient volunteers and navigating trial and error, **Mary turned to Dan Byers and Nicholas Borgdorff of SBE Medical** to refine the concept and help navigate the complex path to commercialization.

SBE specializes in the development of manufacturing medical devices and needed an experienced medical parts manufacturer to put the finishing touches on the design and get it ready for production. **Enter Medbio.**

### MEDBIO DELIVERED

- Teamed with SBE to improve part design for comfort and effectiveness
- Designed and built tooling to optimize molding efficiencies
- Developed a full product process that helped reduce costs
- Helped develop cost-effective packaging solutions that protected product integrity

*“Medbio had the engineering expertise and complete team that gave us the confidence they could produce our device with high quality, real-world functionality and affordability.”*

– Dan Byers, President of SBE Medical

## KEEPING COSTS DOWN

To keep the manufacturing operation as efficient and affordable as possible, **Medbio's expertise was key.**

### Tooling and manufacturing

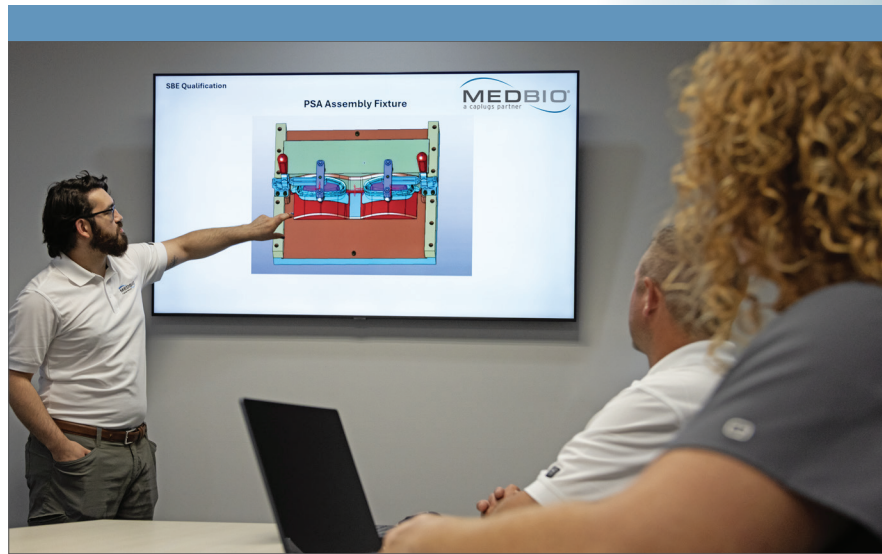
A two-plus-two tool (two rings plus two cups) was fundamental to reducing molding costs.

### Production and operations

A highly efficient production process of molding, packaging, boxing and shelving the product in one unified space streamlined manufacturing.

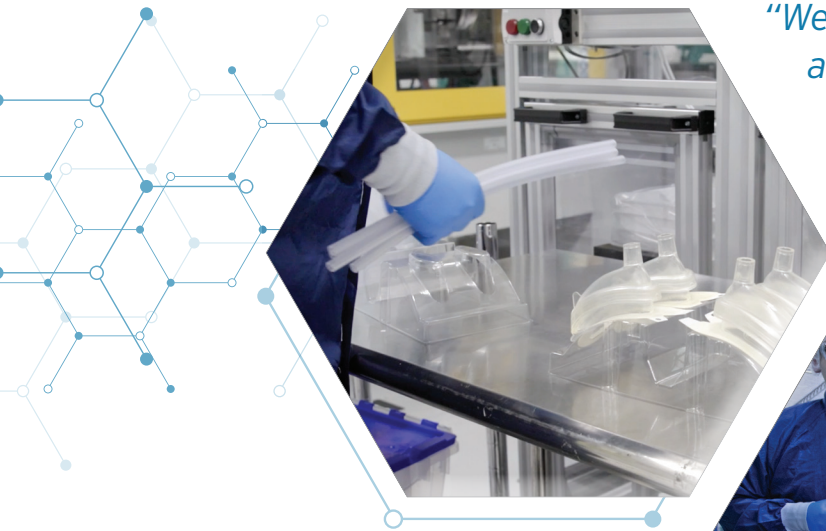
### Packaging

Medbio developed a specially designed thermoformed tray that was durable enough for shipment but light enough to avoid added shipping costs—while keeping the product uncontaminated during transit.



*"We knew we wanted to stay stateside with all our manufacturing and Medbio found solutions to do that and keep costs down."*

— Dan Byers, President of SBE Medical



## IMPACTING LIVES, ONE MEDICAL PART AT A TIME

**The Tibbe™** is now patented and ready for commercialization with additional patents coming. It is currently in testing across various hospitals and clinics, with hopes of taking it to full scale production in 2025.

Ready to take your next project to completion?  
**Let Medbio create a solution for you.**

