



# Manufacturing Process Improvement

**SQUARE-1 LEADS START UP MEDICAL DEVICE COMPANY THROUGH PROTOTYPE CATHETER PROCESS REVAMP, AVOIDING NEAR CLOSURE, BY SUCCESSFULLY TRANSITIONING PROTOTYPE INTO A SCALEABLE COMMERCIALIZED PRODUCT**

## **SITUATION**

Customers prototype manufacturing process wasn't viable for commercialization, 1 month training per tech resulting in 2 hour assembly time per unit. Rampant quality issues in the downstream process.

## **TASK**

Research, identify and implement new viable method for scalable manufacturing, while reducing time to train and per unit yield times for catheter based product.

## **ACTION**

Identified, developed and implemented manufacturing process improvements utilizing exotic materials and magnetics to address product form and delicacy; sourced new equipment, designed custom tooling, implemented new training procedures.

## **RESULTS**

Reduced training time by 93%, yield times from 2 hours to 20 minutes per unit. Successfully addressed downstream quality issues, improving yield and setting client on course with a process which was successfully validated for commercial use.

## **SME TEAM:**

**Sr. Manufacturing & Operations Expert  
and Project Manager**

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