

CASE STUDY

MANUFACTURING PROCESS IMPROVEMENTS

OVERVIEW

Our customer, a developer of angioplasty treatments, was experiencing challenges with their pilot manufacturing process as personnel training took over a month and per unit assembly took several hours. Rampant quality issues in the downstream process also challenged their organization.

CHALLENGE

Research, identify and implement new viable methods for scalable manufacturing, while reducing time to train production associates and reduce per unit yield times for balloon catheter line.

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.

Teammates Included:

- Sr. Manufacturing & Operations Engineer
- 1x Project Manager

SOLUTION

Reduced training time by 83%, 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.



**Training Time
Reduced By
83%**