

# Apollo SPACE Camp

Launch your next extrusion & catheter design into another galaxy





Turn Visions into Reality



Extrude With the Best  
Engineers on the Planet



Accelerate Catheter Design



Mission Complete



# WHAT

## is Apollo® SPACE Camp?

Apollo SPACE Camp is a full day catheter workshop at our world class development and manufacturing facility in Sandy, Utah. This program provides you the opportunity to collaborate with engineers and technicians to understand the impact of design decisions.

SPACE Camp attendees participate in a specification review, extrude on-line, and work hands-on with our experts to build prototypes. The goal of SPACE Camp is for engineers to have a direct hands on experience with product, equipment and technical experts, leaving with development samples and a plan for the next phase of the project.

# WHAT

## are the Learning Objectives?

- ✓ Polymer Selection and common processing challenges that impact downstream manufacturing techniques
- ✓ Tubing tolerance levels (ID, OD, wall thickness, length) in relation to device functionality
- ✓ Tubing ovality optimization and concentricity
- ✓ Braid/coil reinforcements and the characteristics related to the pattern of the reinforcement
- ✓ Secondary operations including the reflow of multi-durometers, tipping, flaring, overmolding, bonding, and marker bands
- ✓ Review process capability, validation requirements, and costing

## WHY should you attend?

- ✓ Understand design for catheter manufacturability
- ✓ Learn about available processes and technologies to expand design options
- ✓ Build prototypes same day, allowing for instant modification to design changes
- ✓ Minimize cost, scrap & time to market
- ✓ Personal growth and career advancement
- ✓ Vendor/customer relationship building

## WHO should attend?

- ✓ Process Engineers
- ✓ R&D Engineers
- ✓ Medical Device Engineers

Visit [spectrumplastics.com/spacecamp](https://spectrumplastics.com/spacecamp) for more information, and to sign up for your experience.