

★ CLIENT PROFILE

ILC Dover, LP is an American special engineering development and manufacturing company that specializes in the use of high-performance, flexible materials, serving the aerospace, personal protection and pharmaceutical industries. Best known for making space suits for NASA, ILC outfitted every United States astronaut in the Apollo program, including the twelve that walked on the moon. ILC also designed and manufactured the Space Suit Assembly portion of the Extravehicular Mobility Unit (EMU), worn by astronauts during performance of extra-vehicular activity (EVA) on Space Shuttle missions and on the International Space Station. As the work with NASA waned, ILC transitioned into the pharmaceutical industry.

THE CHALLENGE

ILC was having parts manufactured overseas and had become dissatisfied with the quality of the product they were receiving. They were looking for suppliers that could meet their AS9100C requirements. As a AS9100C and ISO9000 company, FSM partnered with ILC to transition the work back to the United States. FSM utilized their product engineering services to reverse engineer the parts without compromise of quality.

AND THEN SOME...

FSM went beyond the request to duplicate an existing product, by first conducting a qualitative comparative analysis, which revealed disparities. This discovery enabled FSM to design a higher quality, more efficient product. FSM also identified alternative materials and parts leading to longevity of product life and cost savings to the client.

