



Valley Machining Firm Earns ISO Certification

Southwest Swiss Precision Machining, Inc. Now ISO9001:2015 Certified

Southwest Swiss Precision Machining, Inc. (SSPM) is a Tempe-based precision machine shop, serving the Valley manufacturing community for over ten years. In November, they achieved the important milestone of receiving ISO-9001:2015 certification.

“We have been compliant with the ISO guidelines since opening our shop in 2008,” say owners Jeff and Paulette Gaffney. “While our customers weren’t demanding that we be certified, we felt it was important to take this step to demonstrate that we consistently follow the ISO guidelines and procedures for a quality management system.”

SSPM supplies the aerospace, medical, military and commercial industries with cost-effective Swiss Screw machining services. Their team of highly-qualified machinists use state of the art Citizen Swiss CNC screw machines to manufacture components out of various materials and with extremely tight tolerances. Materials include, but are not limited to, Aluminum, Brass, Beryllium Copper, Inconel, Monel, Titanium, Waspaloy, Delrin and Nitronic 60.

“By combining our ability to deliver machining tolerances as close as .0002-inches, our CNC Swiss machining services meet the most exacting requirements,” says founder Jeff Gaffney. “What makes us unique is our capability to make perfect parts, holding tight tolerances, and to run the hard material and super alloys that our clients need. Being a precision machine shop, our customers can have confidence that we are capable of making their multi-feature, sophisticated parts.”

Gaffney explains that their late-model Citizen machines are equipped with automatic bar loaders, sub-spindles and live-tooling to control the cost of manufacturing products. Swiss Screw machining allows them to manufacture small, complex components for production runs of 500 to 150,000.

SSPM prides itself on consistently achieving close tolerances on parts for all customers, understanding the importance of exacting quality. “We manufacture the hardware that our aerospace and military customers use to assemble larger components that go into engines or other parts of an airplane,” says Gaffney. “Anything less than exact quality could have catastrophic results.”

In the medical industry, SSPM manufactures components used for laser surgery and pins that are used in artificial limbs, where precision has a human impact. They also manufacture commercial components for off-road vehicles, vintage motorcycle speedometers,



The SSPM team from left to right: Tinh Le, Hung Nguyen, Paulette Gaffney, Scott Reeves, Jeff Gaffney, James Sanchez and Leo Moya.

wire strippers, screws for clamping fixtures, locations pins for fixtures, Chiropractic tool components and more.

SSPM is located in Tempe and runs two shifts out of their 6,000 square foot climate-controlled facility.

The ISO Certification Journey

SSPM began their quest for ISO-9001:2015 in early 2019. They enlisted expert advice from Tanya Perkins with the Arizona Manufacturing Extension Program (AZ MEP), which led them to ISO consultant, Bretta Kelly, owner of Business Management Systems Consulting (BMSC).

SSPM began working with BMSC in April 2019. “Bretta and the BMSC team simplified the entire process for us,” says Paulette Gaffney. “Not only



SSPM's Tempe shop – a 6,000 square foot climate-controlled facility.



Parts Representative of The Type Of Machining Performed at SSPM

are they incredibly knowledgeable about ISO certification (they have done more than 200 over the past few years), but they also made us feel more comfortable and reduced our anxiety.”

SSPM completed the certification process in six months, becoming certified in November 2019. During the certification process they ensured the day-to-day operations of SSPM ran smoothly. And they even tackled a major home remodel at the same time!

“Every one of our team members was instrumental in the certification process,” says Gaffney. “We are very grateful for their contributions and so proud of the team. We also highly recommend BMSC if you are looking for a consultant to help you with certification.” Contact Bretta Kelly at 602-445-9400 or visit BusinessMSC.com

Making a Difference

Beyond delivering precision products for customers, SSPM has a strong commitment to people and the community. “We believe in developing

relationships that make a positive difference in the lives of our team members, their families, our vendors and the communities we serve.”

You can contact SSPM at 602.438.4670, 602.435.5707 or visit southwestswisspm.com.



SSPM owners with ISO consultants. From left to right: Debbie Hart, BMSC; Jeff and Paulette Gaffney, SSPM owners; Bretta Kelly, owner of BMSC.