



Athena 3D is a relatively young company, founded just 2 years ago, in 2019. The company, a Minority-Owned Small Business, demonstrated the ability to manufacture thousands of products using 3D technology during the pandemic — where they manufactured 130,000 face shield frames intended to support front line workers.

Today, using additive manufacturing (3D printing), the company offers its customers and clients production-quality parts with production volumes and pricing.

Memo Romero founded Athena 3D once he saw how production 3D printing had the power to revolutionize product design. Memo is a mechanical engineering graduate of MIT and Stanford University. He brings 28 years of industry experience in semiconductors, power systems, thermal engineering, and product development to Athena 3D. Memo has over 20 U.S. patents and has designed products for NASA, the International Space Station, as well as countless well-known industrial and automotive companies.

From its onset, Athena 3D selected HP to partner with to give engineers and designers access to superb bulk parts in less time. Today, they own both the HP Jet Fusion 4200 and 5200 Series 3D printers. Taylor Moore, Senior Application Engineer for the company, says, “HP’s Multi Jet Fusion technology is a powerful 3D printing technology that produces highly accurate and durable parts that are capable of being used directly in end-use, low to mid-volume production, or for rapid prototyping. The HP Jet Fusion 4200 is ideal for short runs and smaller production runs, while our HP Jet Fusion 5200 is well suited for volume production.”

Today, the company is staffed with a team of engineers and ownership has been expanded to include Memo plus 3 additional owners: Jacob Moss, Dean Pierce, and Steven Szymeczek. Dean says, “We have assembled a team of engineers and technicians that have strong backgrounds in additive manufacturing (also called 3d printing). With our expertise, we can help a 1 person entrepreneur to take his/her concept to fruition, and we are equally well suited to help an engineer in a large corporation to take a design to production.” He continued, “Athena 3D Manufacturing helps to lower the barrier to

entry for a new product, and we offer engineering and manufacturing, all in-house.”

Michael Dymond, Director of Sales for the company, says, “We work extensively with engineers, and many are in Fortune 500 companies in the medical, aerospace and defense industries. While we didn’t have any customers pushing us to certify to ISO 9001: 2015, with our strong engineering background we clearly saw the benefits to adding formal processes to our business. We knew that ISO certification would help to promote the highest level of quality at our company — it would in essence set a benchmark for us, and it would enable a culture of constant improvement.”



Athena 3D Manufacturing was working with the Arizona Manufacturing Extension Program (MEP) when they made the decision to ISO certify. Dean says, “We needed a consultant and BMSC was on their approved supplier list. Additionally, our founder Memo knew of their reputation through his years in the industry. We contacted Brett Kelly, owner of BMSC, and got a very competitive quote for her services. And so late last year, we began working towards certification with the help of BMSC.”

Dean adds, “Both Brett and her colleague Debbie Hart were absolutely outstanding. The amount of education we received throughout the process was incredible. Brett and Debbie walked us through every step of the process – it wasn’t just about filling out a particular form.”

Taylor adds, “They were exceptional in engaging everyone in our company with the processes. They were concise yet very good about how to talk to their audience. For those who were more technical and familiar with ISO, they could speak with technical ease; just as well they spoke in layman’s terms to those less technical and familiar with ISO. They were instrumental in helping every employee to embrace the process.”

Dean adds, “Brett and Debbie are so professional, and yet they were also fun to work with. They are exceptional at lessening the fear of the process. I would happily have paid more money for BMSC’s services!” Brett says “If Dean wants to spend more money for the project, she is happy to provide a myriad of add on services!”

If you are interested in help with design and manufacturing of your parts, including finishing and validation, using additive manufacturing, contact Athena 3D at (480) 454-5037; info@athena3dmfg.com or www.athena3dmfg.com

Are You Ready To Implement ISO 9001:2015 or AS9100D or simplify your current Quality Management System? Call (602) 445-9400 or visit BusinessMSC.com to learn more.