



## At AMS, You Get AS9100 Certified, Quick-Turn, High Precision 5-Axis Machined Parts From A Family-Owned,

## Certified Minority-Owned Business

Surprisingly, even today, you will meet many shops who have been in business for decades, who have a large, experienced team of machinists...who haven't yet embraced 5 axis machining.

And then there are outliers (in a good way), who launched their business just a few years ago (and became a machine shop just 2 years ago), who are staffed with a skeleton team of family members, and who are running their shop with 5 axis machine capabilities.

Introducing Alpha Manufacturing Solutions (AMS). The company, founded in 2009, is a family owned and certified minority owned business (Certification Number-AZ16320) that recently achieved their AS9100D and ISO 9001:2015 certification (with remarkably '0' findings). AND they offer 5 axis machining.

At AMS, there are 3 family members, all machinists, and each is integral to its success:

- Jose Escobar, who launched the company in 2009. Jose was born in Mexico, and growing up on a farm, he learned from a young age how to repair machines. Jose added to his mechanical expertise in Mexico by attending school to become a machine technician. More than 2 decades ago, Jose came to the United States, where he trained to become a Journeyman machinist, and worked for a number of shops throughout the Western USA. Jose says, "Machining is my passion and it has always been my dream to own a machine shop."
- Idalia Escobar, Jose's wife, who also has spent the last 2 decades in machine shops. Idalia continued to work for a machine shop while Jose was growing the business, and the company finally brought Idalia on fulltime as a machinist to the family business just this year.
- Christian Escobar, Idalia and Jose's only child, who graduated 4 years ago from the Arizona State University Polytechnic Campus with a degree in Manufacturing Engineering. Like Idalia, when the business was just starting up, Christian supported the family's business by working in the industry at other companies.

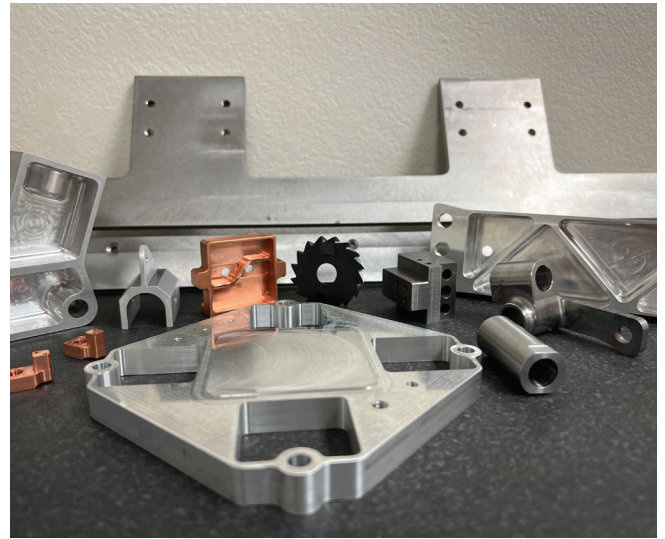
In its early years, with Jose as the sole employee, AMS was primarily a consulting company, with Jose providing engineering services and CAD/CAM design work. Companies valued Jose's Journeyman expertise, which included design for manufacturability, and for his CAD/CAM programming expertise,



which Jose had taught himself.

Once Christian graduated from ASU in 2018, he began, in his own words, bugging his father to open a machine shop. Christian says, "It took 2 years, but we bought our first machines in 2020." As a relatively new business with little credit, the company's first 3 machines were used.

Jose says, "We all have experience on a variety of machines, and when we decided to make our first new machine tool purchase, we determined it would be a Haas." It wasn't just a Haas that the Escobar's purchased for their first new machine, it was a Haas 5 axis machine, the Haas UMC-500 Universal Machining Center. Chris Hansen, Business Manager for Ellison Machinery / Haas Factory Outlet, supporting the team at Alpha Manufacturing Solutions, says, "The Haas UMC-500 offers full simultaneous and 3+2 capability in a compact package, and it was perfect for the Escobars, who had made the decision to offer 5 axis machining to their customers." He added, "You don't meet too many young companies like Alpha Manufacturing Solutions, who so thoroughly embrace



during the Pandemic, because Haas had machines readily available. We received our Haas UMC-500 3 weeks after we ordered it!"

Just 6 months after acquiring the Haas UMC-500, the company added its 2nd new machine to the business. Again, it was a Haas, though this time a lathe. Christian says, "We purchased the Haas multi-axis ST-30. It has a medium footprint, and provides a generous work envelope, so we can machine high precision larger parts." Chris adds, "The Haas ST Series high performance turning centers were designed from the ground up to provide setup flexibility, extreme rigidity, and high thermal stability." Christian says the Haas ST-30 is the easiest lathe on the market to use when you are doing sub-spindle work, because of its mirror function. He says that while the company machines primarily aluminum, steel and stainless, they are also experienced in machining Inconel and Titanium parts.

Christian says, "We really enjoy working with Chris and the team at Ellison Machinery. They offer great products at a budget friendly price, they are easily accessible, and very customer oriented. On top of this, my relationship with Chris is outstanding."

You will be hard pressed to find a small, nimble machine shop that has the expertise, the certifications, and the technology that AMS offers. For quick-turn, high precision parts, contact them at (602) 281-6760 or visit [alphamanufacturingsolutions.com](http://alphamanufacturingsolutions.com)

Haas Automation manufactures a complete line of CNC vertical machining centers, horizontal machining centers, turning centers, 5-axis machining centers, and rotary products, as well as fully integrated automation solutions. To learn more about the Haas machines, as well as Ellison Machinery's other fine machine lines, contact Haas Factory Outlet / HFO130, a Division of Ellison Machinery Company, at (480) 968-5877.

new technology."

Chris isn't your typical machine tool salesperson. He is a Certified Manufacturing Technology Sales Engineer (CMTSE), and like Christian, he is a degreed Manufacturing Engineer, with the 2 sharing the same alma mater. Christian says, "Chris and I share a unique bond with such common backgrounds, and I value his input and recommendations for our business."

Christian says, "The Haas UMC-500 was an ideal machine for us for a number of reasons:

- The user interface is extremely friendly, and this will become more important as we grow our team with less experienced machinists.
- The Haas UMC-500 is probably the most affordable, high quality machine available if you are investing in 5 axis technology. Frankly, if Haas didn't have this machine, we probably wouldn't have been able to afford 5 axis machining for our shop.
- The fact that the Haas machines are made in the US is a plus, and it was especially beneficial when we were making our purchase