

AZ MANUFACTURING

Southwest Edition (AZ, NV, and NM)



MISTRAS



Semiray

Semiray, A Division Of The MISTRAS Group, Inc., Just Became Global

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Semiray is still the great company you've come to rely upon for aerospace grade special processes, and if you can imagine, they've just gotten even better!

The Phoenix-based entity is an accredited full service provider of Nondestructive Testing (NDT), Chemical and Special processes servicing the aerospace, military, electronics, and commercial manufacturing industries. Semiray's services are designed to comply with industry standards, military specifications, and an array of customer requirements. Frank Encinas started the company more than a decade ago, in 2004, purchasing the assets of Kachina.

Just months ago, in March of this year, Semiray was acquired by a large entity,

publicly traded MISTRAS Group, Inc. (NYSE: MG). Dr. Sotirios J. Vahaviolos founded Physical Acoustics (PAC) in 1978, and at its inception, the company designed and developed acoustic emission (AE) inspection products and systems. The company added laboratory and field services, went public in 2010, and officially changed its name to MISTRAS Group, Inc.

Today, MISTRAS operates as a global company with over 120 offices and nearly 6000 employees worldwide. MISTRAS' locations include a network of in-house laboratories and field service labs, Center of Excellence headquarters, and product development and manufacturing labs, in addition to evergreen services locations around the U.S. and Canada.

The company has an extensive list of Centers of Excellence (COEs), which serve as hubs of industry and trade knowledge. These include experts in (among others):

- NDT Inspection Technologies
- Unmanned Systems
- Rope Access
- Diving/Subsea inspections and maintenance
- Mechanical Services
- API
- Pipelines
- Power Generation
- Substation Reliability



Mike Lange, Vice Chairman and Senior Executive Vice President of Global Business Development, Marketing & Strategic



Planning, says, "At MISTRAS, we have grown through recognizing our customer's asset protection needs and expanding our resources into fields that will serve them most effectively. Our toolbox has expanded from systems to a complete one-source approach to asset protection."

He continued, "An example of this would be the acquisition of Semiray. Since we service a large amount of aerospace industry customers, Semiray's solutions are hugely beneficial to maximizing the value we bring to our clients. Semiray customers now have access to expanded NDT services, resources, capabilities, and a global network of subject matter experts (SMEs), and MISTRAS' customers get to take advantage of Semiray's aerospace inspection and mechanical services expertise. It's a pairing that benefits both sides."

Today, Frank remains onboard as the General Manager for Semiray, a division of MISTRAS Arizona Services. Frank says, "It has always been in our business plan to take Semiray to the next level, and I knew that to do this, I would need the backing of a large, well-capitalized company. MISTRAS was a superior company for Semiray to be incorporated into – it has a global reach and financial stability." Frank says that Semiray had other companies interested in acquiring the metal finishing house, and that he and his management team



determined that MISTRAS was the best fit.

Semiray manages their growth through continuous process improvements. They recently added a new conversion chemical film line, and they are planning their building expansion with a larger anodize line and paint capabilities. As a result of their continuous improvement initiatives, Semiray continues to see double-digit growth year over year.

Frank says, “We thank all of our customers for allowing us to serve them over the past decade. Through the MISTRAS network, we are pleased to be able to support them with many more capabilities, concerning all disciplines of NDT and Destructive Testing (DT).” Frank says that the acquisition has been seamless for Semiray’s customers. He adds that customers have only seen the tip of the iceberg: over time, they will continue to realize the tremendous benefits of MISTRAS’ wide range of expertise and services.



Semiray is Nadcap Accredited (AC7004), ITAR Registered, and RoHS compliant. The company’s prime approval list is extremely comprehensive, including: Boeing, GE, Honeywell, Hamilton Sundstrand, Bell Helicopter, ATK Alliant Techsystems, Pratt & Whitney, Woodward, Rolls Royce, Raytheon, Lockheed Martin, BAE Systems and MD Helicopters, amongst others. Frank says, “When I bought the assets of Kachina in 2004, it took nearly a year to become certified by our first big entity, Honeywell. After that, we continued to gain approvals from the industry each year.”

I mentioned that not much has changed for Semiray’s long-term customers. Semiray continues to process 170 –

200 jobs per day, on average, and they pride themselves on their ability to turn jobs



faster than others in the industry. All jobs that come in are taken through contract review and first article inspection.

In their Special Processes department, their multi-disciplinary ASNT Level III NDT staff and other specialists have many years of experience in product evaluation, testing and inspection. Their NDT Services include:

- Penetrant Inspection - Water Washable and Post Emulsified
- Magnetic Particle Inspection
- De-magnetization Unit

Their Chemical & Clean Processes Division offers:

- Chemical Cleaning • Passivation • Prepenetrant Etching • Anodize Type I, II, III • Chemical Conversion Coating • Nital Etch • Chemfilm Type II ROHS Compliant • Macro Etch • Coating Application • Painting • Dry Film Lubrication • Teflon Rubberized Coating



Testing services offered at Semiray include: Pressure Testing, Salt Spray, Copper Sulfate, High Humidity, Solid Particle Cleanliness, Verification, and Dry and Wet Tape Adhesion; Inspections available are Borescope, as well as Millipore Clean & Inspection.

These lists grow considerably after adding in MISTRAS' full complement of NDT solutions.



Frank says, "Years ago, we made the decision to eliminate 'expedite fees' for nearly every job we take in, within reason." The company achieves A+ grades from its customers in quality and on-time delivery. To meet the needs of their customers, Semiray operates its processing lines from 5 am to 11 pm each day, with the office supporting customers from 5 am to 5 pm. They are renowned for their very competitive pricing.



Frank says that all of Semiray's long-term customers know Deborah Coston, Production Manager and long-time employee at the company. He adds, "Deborah isn't just a Production Manager; she instills in the team 'spirited service', and the customers appreciate her honest and

forthright approach."

Hear What A Few of Semiray's Customers Have To Say About Them:

"Our company has been using Semiray as a supplier for 6-8 years now. Their quality and lead times beat anybody I work with in Arizona; they are an outstanding company, and my first choice for Chem-Film and Paint. Their pricing is very good; it's better than anyone I've worked with in Arizona. Even though they were purchased by a large company, I continue to see the same great quality, service and pricing." Supply Chain Buyer, Vitron

"Honeywell has been using Semiray for more than a decade, and I've been working with them in my current position for 7 years. Their quality is unmatched - I don't think we've ever had an issue; in fact I don't think our Quality Department even knows their name. The entire Semiray team, and especially Deborah, goes above and beyond, and their communication is outstanding. Our parts are delivered to us on time or sooner, and in the rare instance where there is an issue, Deborah contacts us to let us know what is happening. Semiray works after hours and on weekends when we have an urgent request. If all of our vendors were as good as Semiray, our work lives would be so much better. Semiray is outstanding and we appreciate all they do for us!" Senior Site Supply Specialist, Honeywell

"I have worked with Semiray for the past 12 years, across the 2 companies I have worked for. Their quality is outstanding, their pricing is very competitive, and their delivery is 'above and beyond'. We use so many of Semiray's services, including anodize, paint, NDT, and mag particle



to name a few. Deborah and the team are outstanding in their willingness to help their customers out, and I use Semiray whenever possible. They are my go-to special processing house." Program Manager, Systems 3

"Our sister company was using Semiray for years, and we started working with them about 18 months ago. Their customer service is exceptional. Standard turn around time is 24 hours, which is unheard of in the special processing world. Their quality is outstanding, their pricing is very competitive, and their on-time metrics are better than most. I highly recommend Semiray." Supply Chain Manager, Product Manufacturing

Semiray, a member of MISTRAS Group, is an approved supplier to nearly every large aerospace and defense contractor in the United States. If you haven't used them for your metal finishing requirements, I encourage you to do so. As their customers testify, their quality, on-time delivery, pricing, and customer support are all outstanding. They can be reached at 602-275-1917 or on the web at www.semirayinc.com. You can learn more about MISTRAS' asset protection solutions at MISTRASGroup.com.