

CORPORATE NEWS

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Montana Aerospace pushes forward with in-house innovation: three new production lines successfully launched at Universal Alloy Corporation Vietnam

Advanced surface treatment lines and automation software reinforce the company's commitment to deep vertical integration and future-ready manufacturing

Montana Aerospace division Universal Alloy Corporation Vietnam (UAC Vietnam) has recently taken three major self-designed production lines into series production: a fully automated Zn-Ni Plating Line, a newly engineered Passivation Line, and a proprietary OEE Automation System. These projects were developed, built, and implemented entirely by UAC Vietnam's internal engineering and maintenance teams, enabling deeper vertical integration and full process control.

"Deep vertical integration is part of our DNA," says Kai Arndt, Co-CEO of Montana Aerospace. "The in-house development of the new systems at our site in Vietnam is a prime example of our innovative strength and engineering expertise. It highlights our ongoing efforts to build competencies and advance our automation strategy. Our global one-stop-shop concept makes us a strong and reliable partner for our customers."

Zn-Ni Plating Line – Corrosion Protection

The new Zinc-Nickel Plating Line provides high-level corrosion for precision components made from steel or copper, which are used in aircraft assembly. Developed entirely in-house and now fully automated, the line was recently qualified and approved for serial production.



Passivation Line – Surface Treatment for Stainless Steel and Titanium

Building on the success of the plating project, UAC Vietnam also designed and installed a custom passivation line to enhance corrosion resistance for stainless steel components. The process strengthens corrosion resistance and improves overall durability and aesthetics. Like the plating line, it was fully developed and constructed by UAC staff and meets all performance and environmental standards.

Automation with Ownership: OEE System

UAC Vietnam’s engineering team has developed a fully customized OEE (Overall Equipment Effectiveness) software system, granting the company full ownership of its automation technology. In addition, the new surface treatment systems are seamlessly integrated with UAC Vietnam wastewater treatment infrastructure. Waste is efficiently processed through a dedicated transfer station system, ensuring full compliance with environmental regulations.

“Our goal was to develop a software and self-developed hardware system that meets all our specific requirements down to the smallest detail,” explains Hoa Nguyen, Maintenance and Special Projects Manager at UAC Vietnam. *“Instead of purchasing a solution, we created a tailored system that gives us full control and is flexibly scalable. This independence enables us to continuously improve our processes. Our automation platform also actively manages key production metrics.”*

Built for the Future of Aerospace Manufacturing

Each of these projects represents a clear step toward the future of aerospace production — a future that is smarter, more autonomous, and more efficient. By investing in self-developed technologies, automation, and engineering expertise, Montana Aerospace ensures it can meet both current and future demands of a rapidly evolving industry — all based on the highest standards of quality and safety. A key success factor lies in the close collaboration and integration of all divisions within the group. Through its one-stop-shop concept, Montana Aerospace combines vertical integration, technical know-how, and maximum production flexibility across sites and business units — directly benefiting customers around the globe.



Press contact

Jürgen Beilein

Mobile: [+43 664 831 28 41](tel:+436648312841)

Email: communication@montana-aerospace.com

About Montana Aerospace AG

Montana Aerospace AG is a leading manufacturer of system components and complex assemblies for the aerospace industry, with worldwide engineering and manufacturing operations. The Company has approximately 7,600 highly skilled employees at 22 locations on four continents – designing, developing and producing ground-breaking technologies for tomorrow's aerospace and energy industries made of aluminium, titanium, composite, copper and steel.

About Universal Alloy Corporation

Universal Alloy Corporation (UAC) is a leading global manufacturer and highly integrated producer of structural components and assemblies for the aerospace industry. Through innovative product development, excellent service and a worldwide manufacturing network, UAC has established itself as a market leader in the field of highly complex extruded and machined components for structural construction, such as fuselage and wing components. With modern production facilities on three continents – USA, Europe and Asia – UAC, a division of Montana Aerospace AG, employs around 2,500 people.