AP Precision Metals Amplifies Aluminum Busbar Production with Innovative Robotic Weld Cell

November 17, 2025

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AP Precision Metals, Inc. has introduced a new robotic weld cell to its San Diego-based factory, enhancing its aluminum busbar manufacturing capabilities. This installation features advanced technology from Hirebotics and Universal Robotics, representing a significant step forward in their operations.

Producing aluminum busbars is a major focus for AP Precision Metals, which handles over 75,000 pounds of aluminum busbar each month in its 40,000 square-foot facility. The addition of this robotic weld cell is set to improve production efficiency, reduce labor costs, and boost the output of high-volume products. This advancement reinforces AP Precision Metals' position as a leader in the field.

For a detailed overview of their fabrication services and cutting-edge manufacturing techniques that handle annual volumes of 100-10,000 EAU, visit apprecision.com.

Joe, an executive at AP Precision Metals, explained why this new technology is so important: "The integration of the robotic weld cell aligns with our commitment to providing efficient, high-quality metal fabrication services. This advancement will allow us to better meet the evolving demands of our clients while maintaining

our strict quality standards."

The company offers a wide range of metal solutions, including cutting, welding, painting and finishing, quality assurance, assembly, and kitting. This new technology particularly enhances their welding capabilities. Senior welders, who hold various AWS certifications, will utilize both the robotic weld cells and collaborative robots, which help increase production precision and quality while cutting labor costs.

In 2023, AP Precision Metals also expanded its network of plating suppliers, enhancing its ability to meet high-quality finishing demands. This expansion is in response to increased production needs without sacrificing the company's high standards. Their focus on providing quality finishes, including powder coating and Linex, demonstrates their commitment to excellence.

Another company executive stated, "The new robotic weld cell isn't just about meeting existing needs; it's about preparing for the future. With this technology, we are well-equipped to handle even more complex projects and maintain our position at the forefront of the industry."

Besides using advanced robotic technology, AP Precision Metals also focuses on quality assurance through its dedicated quality department. Their processes are designed to maintain high-quality and efficient production, all backed by an ISO 9001:2015 certification.

Choosing aluminum over copper for busbars is strategic due to aluminum's lower cost and lighter weight, while still offering good conductivity, durability, and recyclability. AP Precision Metals specializes in various aluminum alloys like 6063-T52, known for high tensile strength and adaptability, to meet diverse application needs.

To understand more about their comprehensive metal solutions and view recent projects, explore apprecision.com.

AP Precision Metals is not just about aluminum busbars; they also offer other services like fabrication and cutting. They employ specialized machines, allowing them to be flexible and support clients within the domestic lean production environment. With the ability to handle volumes ranging from 100 to 10,000 units, they are a preferred partner for domestic manufacturing needs.

To learn more about their services, including aluminum busbar manufacturing and the new robotic weld cell, visit their website or contact them through available channels. AP Precision Metals is active on social media platforms such as Facebook, Instagram, and LinkedIn and encourages potential clients to reach out through phone or email for inquiries or manufacturing quotes.

AP Precision Metals, Inc. continues to push forward with innovation and a solid commitment to quality, making them a strong presence in the metal fabrication industry and ensuring they meet and exceed market expectations.

For inquiries about specific processes like welding, painting, or quality assurance, head to apprecision.com.
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AP Precision Metals Inc.

AP Precision Metals, Inc. was founded in 1998 by Lane Litke and Victor Miller out of a necessity for reliable metal products for their growing robotics company.

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