



Why Welding Automation?

Automation has become a reality in the manufacturing process. Welding is considered automated when even just a part of the process is mechanized. It is considered completely automated when robots manage the entire process from start to finish, handling the part and executing the weld.

Welding automation can help your company in a variety of ways:



SKILLED LABOR SHORTAGE

Automation is a practical solution to redefine skilled labor. Robotic technology can increase production with fewer workers and create a competitive advantage.



LOWER LABOR COSTS

Repetitive welding operations can be performed by robotic automation, freeing up highly skilled welding professionals to perform more challenging tasks.



HIGHER THROUGHPUT

A welding automation system can significantly increase throughput, with documented studies showing 2 to 5 times higher productivity than with manual operations.



DECREASED SCRAP/REWORK

Automation of weld parameters and parts positioning decreases the potential for error, prevents overuse of consumables and reduces post-weld operations.



IMPROVED WELD QUALITY

Welding automation, properly designed and engineered, can improve weld integrity and consistency, and reduce downtime.



EMPLOYEE HEALTH BENEFITS

A plant with automated welding and environmental systems will improve occupational safety.