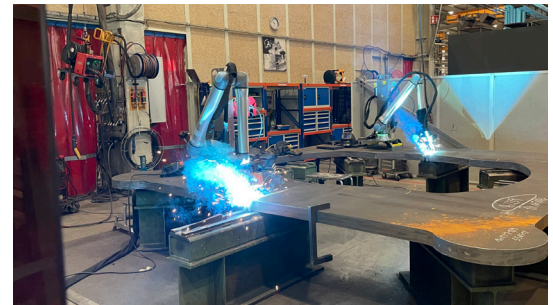
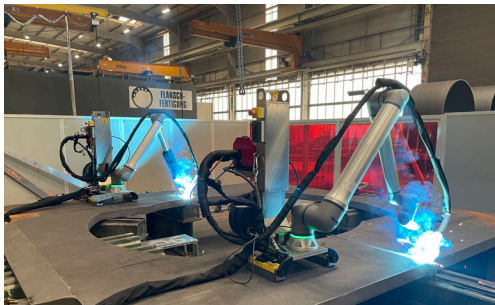


# The Value of INROTECH-GROOVIT™

## Adaptive Welding Technology, Simplified.

Inrotech-Groovit™ is an intelligent welding solution built on a proven automated welding technology platform. It brings fully adaptive welding directly to the shop floor, enabling high-quality welding without programming, CAD input, or robotic expertise.

Groovit is designed for flexible deployment across production environments, allowing it to be positioned exactly where welding is required. This enables efficient automation of large structures, complex assemblies, and confined areas—without the limitations of fixed installations.



Always ensure appropriate ventilation is in place when welding and that fume exposure is below applicable thresholds. For more on welding safety, visit <http://safety.lincolnelectric.com>. For more information on Lincoln Electric's weld fume control options, see your sales representative or visit <https://www.lincolnelectric.com/en/products/weld-fume-control-welding-equipment>.

- **No Programming Required** – Simply select the weld start and end points.
- **Automatic Weld Planning** – The robot automatically generates the complete welding program.
- **WPS-Based Execution** – Welding parameters are generated according to the customer's qualified WPS.
- **Fully Autonomous Welding** – The robot completes the entire weld from start to finish without operator intervention.
- **Simple Operator Workflow** – Minimal operator input, no robot programming expertise required.



### Adaptive Multipass Welding

Groovit automatically determines number of passes, Welding sequence, Weaving patterns, Heat input, ensuring optimal weld quality across varying thicknesses and geometries.



### Flexible Deployment

Groovit is designed for dynamic use across production environments. Positioned directly at the weld location. Easily redeployed between work zones. Suitable for large structures and heavy components. Enables automation beyond fixed systems.



### One Operator, Multiple Units

A single operator can manage multiple Groovit systems, increasing productivity without increasing manpower. While one unit is welding, the operator can reposition the next, initiate tasks, and monitor progress—ensuring continuous production flow.