THE STATE OF THE WELDING AUTOMATION INDUSTRY TODAY

The Welder Shortage

Based on recent estimates by the American Welding Society, the demand for welding professionals is huge due to current unfilled positions, industry growth, and anticipated attrition.

1. 300,000
   The number of welders needed by 2024

2. 55
   The average age of a welder

3. 20%
   The number of welders under the age of 35

How Hard Is It To Make The Switch To Welding Automation

1. US Robot Install Based Slowed Down
   14% over 2 years compared to South Korea 27% and China 93%

2. Lower Robotics Adoption
   Less than 25% of Automation world surveyed companies are planning to add robots in the next year

3. Perception of Complexity
   Making the switch requires that companies must hire multiple skilled robot programmers and technicians, and train staff (through highly sophisticated equipment.

Resistance to Change

Some welders are resistant to the shift to new technologies.

Skilled Robot Technician Harder to Find

Some are concerned with adopting “lights-out” automated operations due to a lack of trained robot technicians.

How Can Welding Automation Improve Your Operations and Business

- Improved weld integrity and repeatability
- Better overall product quality and adherence to standards
- Increased production capacity and flexibility
- Reduced human error and operational costs
- Decreased labor costs
- Ability to weld new materials
- Safer work conditions

New Welding Automation Solutions: Welding Robots

Welding robots, or collaborative welding robots, are robots that can carry out continuous welding seams in close proximity to humans (aka welders).

Welding robots can be easy to use, giving welders the flexibility to start and switch jobs on the fly.

Welding robots resolve the ergonomic and workplace safety issues associated with manual welding and legacy welding robots.

How Welding Robots Are Solving The Labor Shortage

- Ease of programming
- Be in production in days not weeks or months
- No need to hire robot programmers – Harder to find and hire
- Increased productivity of the welders you already have

Learn more about welding robots at HireBots.com