

# 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



### US ROBOT INSTALL BASED SLOWED DOWN

14% over 2 years compared to South Korea 20% and China 93%



### LOWER ROBOTICS ADOPTION

Less than 25% of Automation world surveyed companies are planning to add robots in the next year



### PERCEPTION OF COMPLEXITY

Making the switch requires that companies must hire multiple skilled robot programmers and technicians, and train staff thoroughly on highly sophisticated equipment.



### RESISTANCE TO CHANGE

Some welders are resistant to the shift to new technologies.



### SKILLED ROBOT TECHNICIAN HARDER TO FIND

SMEs, 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



Ability to weld new materials



Increased production capacity and flexibility



Reduced human error and operational costs



Safer work conditions



Decreased labor costs

## NEW WELDING AUTOMATION SOLUTIONS: WELDING COBOTS



Welding cobots, or collaborative welding robots, are **robots that can carry out continuous welding seams in close proximity to humans (aka welders)**. Welding cobots can be easy to use, giving welders the flexibility to start and switch jobs on the fly.

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

## HOW WELDING COBOTS 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 cobots at [Hirebotics.com](https://www.hirebotics.com)

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