

REFERENCE AUTOFLAGGER/TPS/i

Safety Technologies

SAFETY TECHNOLOGIES

Safety Technologies Inc is recognized as the industry leader in work zone traffic control systems. The company was founded in 1994 and introduced the AutoFlagger®. The AutoFlagger was the first automated flagger assistance device on the market. Our production facility is located in Red Wing, Minn. The AutoFlagger has been put to work on countless job sites and has received DOT approval and acceptance across the United States.



"We design and engineer our products, so consequently we're two very critical guys. And honestly, on this Fronius product, I don't think we've come up with one thing that could be improved upon. We've had it for a year now, and you know how with a new car that excitement and newness wears off after a while? With this machine it just seems like it gets better and better the more experience I get with it." -Jared and Chuck Fanslow

REQUIREMENT

The equipment is controlled by a single operator from a safe distance from the unit. The design of the equipment requires that no spatter interferes with the operation of the magnetic sensors which rotate and change the sign. Any missed spatter from fabrication can cause the most damage and interfere with the functionality of the sensors, issues which may not appear for several months. In addition, the AutoFlagger™ uses both steel and aluminium in a variety of thicknesses, which require many different types of welds per unit. Safety Technologies also offers a three-year warranty that provides on-site service for the first year, therefore they need to ensure the product is spatter free.

SOLUTION

The Fronius TPS/i proved to be the ideal solution for this welding application. Not only could the welder switch easily between manual and robotic welding, it significantly reduced spatter even in manual welding. With the new Fronius Jobmaster torch, they were able to set and save parameters for a specific weld, which was then performed consistently every time. In addition to the convenience of switching jobs right on the torch, the touchscreen interface on the welder allowed them to save jobs with names and dates they will understand later. The machine was designed with the welder in mind, but did it solve the spatter and weld quality issues? Here is what the owners say “Before, we’d spend forty-five minutes cleaning up welds with a scraper and wire brush. Then when the trailer came back from the paint shop there, right in the middle of everything, would be this speck of spatter,” said Chuck. “Now we get done welding, and there’s almost no spatter. What spatter there is can almost be wiped off with a rag.”



/ Perfect Welding / Solar Energy / Perfect Charging

THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 3,800 employees worldwide and 1,242 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com

v08 Aug 2017 EN