

MANUFACTURING

Robotic Welding at Laidig

The Robotic Submerged Arc Welding System



Hard facing auger flighting at Laidig Systems, Inc. in Mishawaka, IN.

MISHAWAKA, IN
July 27, 2017

Laidig prides itself on providing customers with the best equipment to solve their bulk storage and handling needs. Behind every system, there are experienced teams of people, who **design, engineer, manufacture and test** each system specific to the customers' needs. That is why Laidig is *"More Than Steel."*

To further enhance the excellence of our manufacturing capabilities, Laidig has recently commissioned a **Robotic Submerged Arc Welding System**. This addition to Laidig manufacturing is the only one of its kind in the World and is another example of Laidig's continued pledge to innovation and efficiency in this industry. The new welding system applies a layer of hard face weld onto auger flighting and other wearable components. Hard face welding is typical for metal surfaces that are consistently exposed to harsh, rugged and abrasive materials. Consistent exposure will damage standard steel machinery components leading to failure, breaks, and the reduction in life expectancy of the equipment.

Prior to the addition of this new machine, hard face welds were done manually in-house at Laidig, but was very labor intensive and time consuming. With this new robotic equipment, the hard facing process is faster and easier – taking up to 75% less time than by hand. This new machine is outfitted with **submerged arc welding equipment**, whereby a robotic arm works in conjunction with a software program to make precision welds, while water-chilled welding tables reduce warping and bending of the metal.

According to Dan Collins, Laidig VP of Manufacturing, having the **Robotic Submerged Arc Welding System** in-house is a great benefit to Laidig customers. *"Laidig Systems will be able to supply our customers, who have material abrasion or wear issues, a consistent hard face weld deposit to prevent premature failure to valuable components of their system. The longevity of their investments will be protected in even the harshest environments. With this innovative equipment, Laidig Systems can reduce the time and costs to produce our most rugged reclaimers, making our solutions even more efficient and affordable."*

This new addition to Laidig fosters the commitment to engineering, designing and manufacturing the best reclaim systems in the World, and proving once again why Laidig **IS More Than Steel**.

