



# Robot Welding For Quality & Accuracy At Molnar



*Frank Molnar*

When talking about making hoists, Frank Molnar always says "Quality is number one", which is why so much investment goes into manufacturing at the Molnar Engineering plant in Adelaide.

The Australian market demands a hardy, durable and reliable product. Through automating processes Molnar Engineering strive to produce a

product that is continually of the highest standard. A large deal of the manufacturing of a hoist is welding and by utilising robotic welders a good quality weld with a smooth, clean finish can be achieved time and time again.

Using a robotic welder removes the operator from a hazardous environment and increases productivity by allowing the operator to load components ready for the next job while the robot is welding. The twin robot cells have the ability to have two robots welding simultaneously. The computerisation of the robot welder allows it to control welding settings giving it the



*Twin Robot Cell for Molnar 4 Post Hoist Ramp Welding.*



*Twin Robot Cell for Molnar 4 Post Hoist Crossbeam Welding.*

ability to repeatedly produce quality welds at difficult angles and in difficult positions. This is especially critical with the shortage of skilled welders available to produce the quality of welds required in the hoist.

Robots however demand small tolerances in components, which was the driving reason behind the investment into Molnar's laser cutting machines. Manufacturing at smaller tolerances not only makes assembly easier but

provides the customer with a better product.

To make sure customers keep getting the quality they require, Molnar Engineering employs the latest technology in manufacturing to turn Australian steel into the high quality Australian Hoist seen in workshops everywhere. Buying Molnar does not only mean buying Australian but also the safety and peace of mind that comes with well made equipment.