

# SARCA

MANUFACTURING  
Div. of Jay Industries Corp.

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A highly automated metal fabricator employing the most advanced industrial technologies involving the welding assembly of formed steel tube with other metal components.

Steel tube is cut to length and forwarded to one of three fabrication systems. These multiple station systems involving robotic transfer perform CNC bending of components requiring multiple short, standard or long radius bends as well as tube inserting, deburring, notching, drilling, shearing, trimming and end forming. Dimensional capability ranges from tubing 0.62" to 3.00" in diameter.

Assembly operations consist of robotic shuttle and turntable MIG and spot welding cells, and automated multiple stage welding systems. Robotic controls allow for continuous weld monitoring to ensure proper penetration, appearance and dimensional stability.

Product conformity to customer specifications is confirmed by a fully instrumented testing

laboratory which includes Coordinate Measuring Machines, digital gauging equipment, weld destruct testing and SPC variance controls.

Having the ability to design, construct and operate custom tooling and fixtures, Sarca Manufacturing is able to fabricate and weld to almost any configuration.



This computer controlled tube bending and forming cell involves four transfer stations, a bender with two plane capability and final trim press.



Assembly operations are organized as sequential welding cells. The arrangement is conducive to the use of common equipment while meeting the specific needs of each application.

Computer monitoring of robotic welds produces a specific assembly in an accurate, repetitive and efficient manner.

