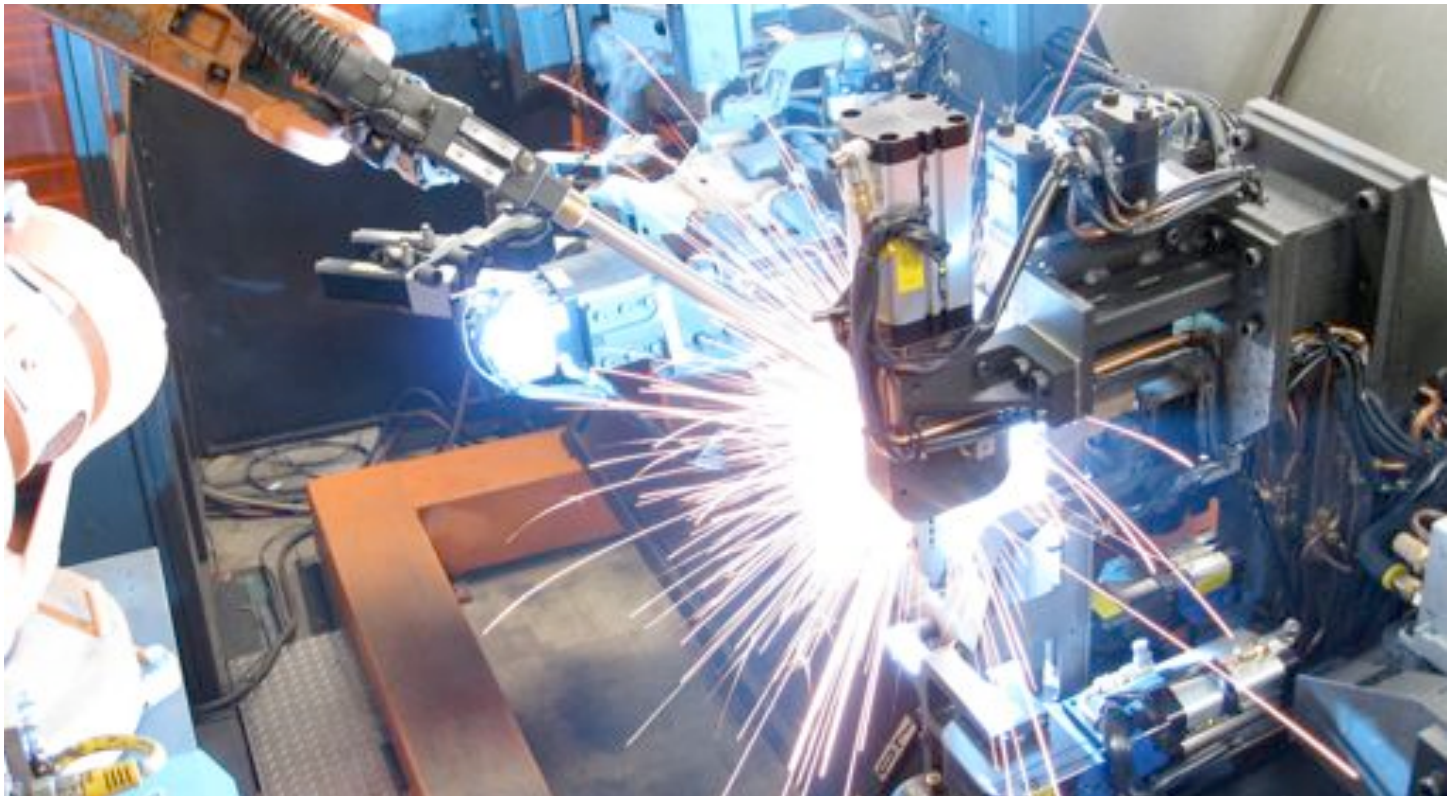
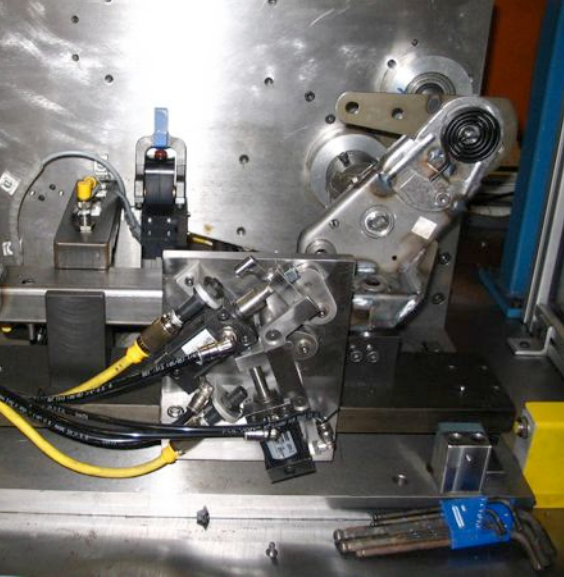


AUTOMATION IG **TOOLING & AUTOMATED MACHINES**

Automation IG's in-house engineering, machining, and integration groups continuously design and build quality tooling and automated machines. Whether building tooling requiring specialized coatings or high precision components, or designing and building an automated machine for a wide variety of processes Automation IG has the experience and expertise to provide the best solution at the best price.





CONTROLS

Over the years, Automation IG's controls team has developed key manufacturing technologies and standards such as quickchange fixtures, dual-power docking stations, intelligent tooling, and dynamic robot-assist for tube bending applications. Using only the most reliable industrial controls packages with industry proven programming that reduces development costs and maintenance time, Automation IG's controls systems are considered among the best in the industry.

WELD FIXTURES

Automation IG provides weld fixtures ranging from fully automatic to manually operated locating fixtures. Standard tooling features include spatter-resistant coatings for machined components, spatter resistant sleeving for sensor cables, poke-yoke technology, visual sensor check technology, 3D shimmable features, dual-channel safety systems, opto-touch operator switches, robust controls systems, and reliable PLC programming.

RESISTANCE WELDING

Automation IG offers resistance welding systems in either dedicated machine designs, robotic resistance welders, and robot-as-positioner designs using a variety of weld controls and guns with pneumatic or servo weld gun options.

MIG WELDING

Automation IG offers a broad range of solutions for automatic mig welding systems using all major brands of power supplies, robots, and positioners.

Standard robotic weld cells with one, two, or three welding robots and positioner are offered as well as robot-as-positioner systems. We also offer advanced options for our welding systems such as the following:

Robot Program access control via RFID

Weld monitoring

Non-conforming part control via RFID

Quickchange fixturing

Intelligent fixtures

CUSTOM MACHINES

Some applications demand custom designed manufacturing systems, and Automation IG has a track record of providing innovative and cost-effective solutions.

ASSEMBLY

In addition to welding systems and custom machines, Automation IG also designs and builds full production assembly lines. Our design and controls team are experienced with developing assembly systems utilizing multiple operator stations, automated conveyance, RFID or barcode tracking, and multiple processes such as torquing, riveting, and testing.