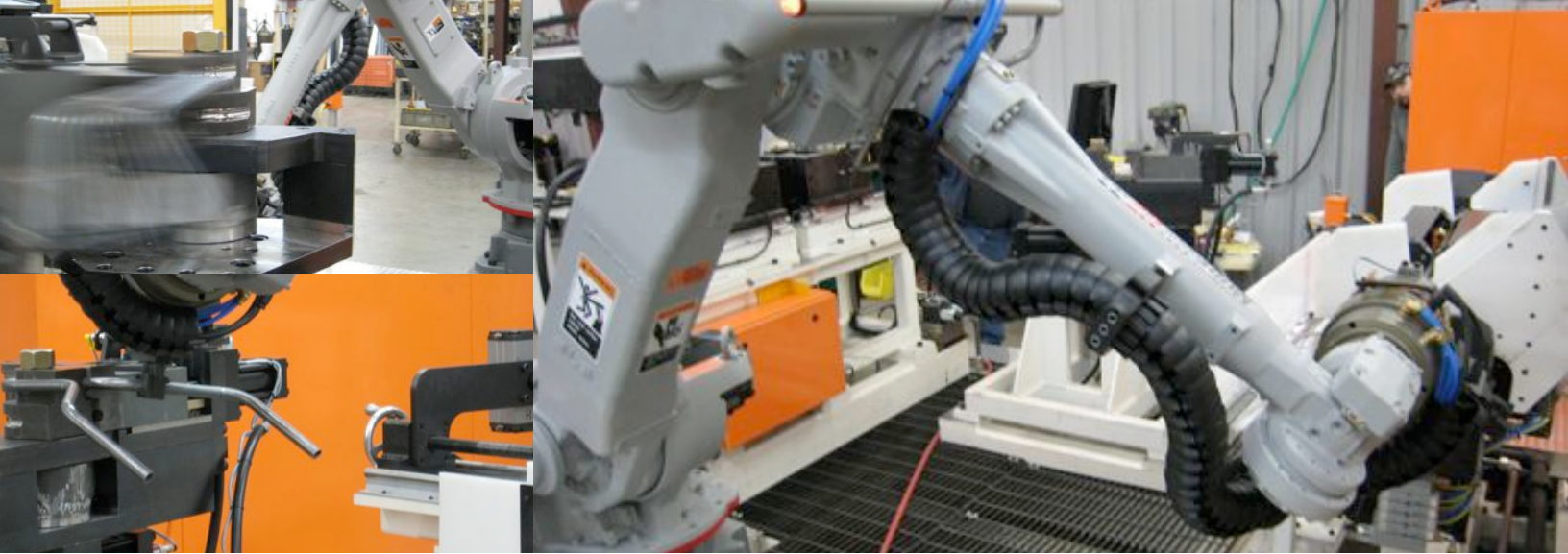


AUTOMATION IG **TUBE BENDING**

Automation IG's fully automated, CNC tube bending systems provide all-in-one tube processing solutions for automotive, motorcycle, furniture, and other manufacturing industries. With reliable PLC based controls, modular designs, and an innovative robotic handling system Automation IG's tube benders are cost effective, reliable tube processing systems suitable for a broad range of applications.





MODULAR DESIGNS

Automation IG's fully automated, CNC tube bending systems utilize reliable PLC based controls systems, modular designs, and off-the-shelf robotics to provide advanced tube processing capabilities such as bending, piercing, forming, and other operations within a single machine.

Our adjustable seam finder module improves seam finding with redundant sensors and an advanced seam finding algorithm developed specifically for Automation IG's system. Bend modules utilize continuous bend feedback to ensure precise bends and reduce scrap rates. Pierce, vertical press, horizontal press, and forming modules are made with sensor verification.

ROBOTIC TUBE BENDERS

Automation IG's expertise with robotic integration led to the development of a robotically assisted tube processing system. Replacing unreliable and expensive transfer systems with an off the shelf robot resulted in the ability to eliminate considerable cost in the manufacture and maintenance of tube processing systems. Our controls team developed a system that allows operation and adjustment without the need to access the robot teach pendant.

PROTOTYPE TUBES

Automation IG also provides prototyping and lower quantity processing of tubes using our in-house bender. With an internal tool and die shop and technicians with a wide range of tube processing experience, Automation IG can fulfill ad-hoc production requirements as well as provide quality, pre-production parts. Tooling and dies used for pre-production part runs can be used to reduce production time and cost of full scale tube bending systems.

TOOLING AND DIES

Tooling and dies are manufactured at Automation IG and utilize advanced coatings and treatments to increase durability.

