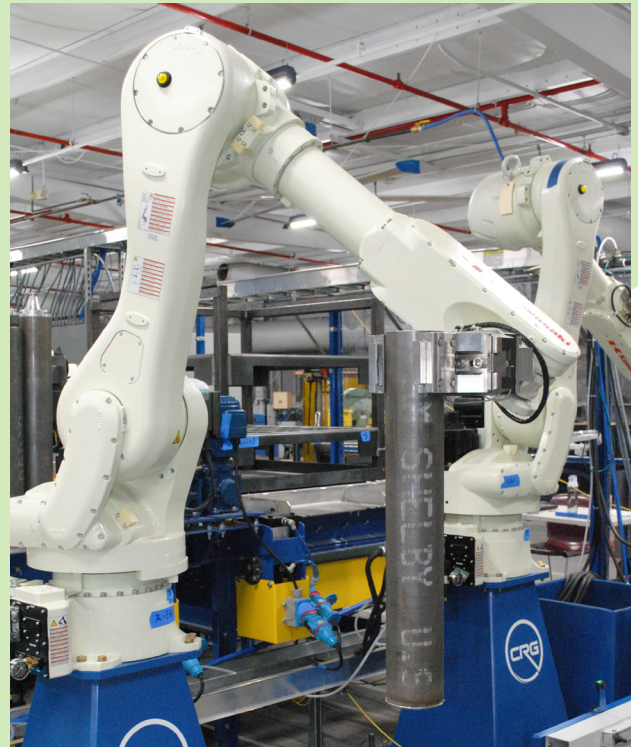




Founded in 2000, CRG Automation specializes in the custom engineering of automated solutions for packaging, material handling and manufacturing industries. Located in Louisville KY, their highly experienced team of engineers, fabricators, machinists & electrical controls specialist work closely together so that they can fully execute design, fabrication, assembly and testing. They offer complete design and drawing services as well as PLC programming, HMI/SCADA development and robotics integrations. Working with their customers, they build a team of experts to solve complex problems using a variety of product solutions, partners and innovations.

Their modern machine shop, with 40,000-square-foot facility features a controls and fabrications shop, plus the floor space required to set up and conduct performance testing for complete packaging and processing lines. Their quality work, attention to detail and flexibility have earned them the trust of some of the world's leading companies.



Challenge

When CRG Automation was tasked to re-design an automated process with the primary objective being removing M55 Rockets from their shipping and firing tubes, separating M56 Warheads and packaging the warheads for storage and destruction. They needed an out of the box solution that would not risk the payload under ANY circumstance that also provided a firm grip without causing any damage.



Solution

Our pneumatic gripper, originally developed to offer a wide variety of clamping/gripping of objects ranging in shape and weight, was tailored for this project to ensure safety, precision and overall success.



Benefits

The project was a complete success, with a safe operating environment, increased productivity and lower operating expenditures.

Applied Robotics' high-end EOAT (end of arm tool) meets the various needs for this project from beginning to end, says Ed Stogner.



"Due to our past experiences and the reputation of Applied Robotics, we felt very confident in trusting their expertise to help us utilize the right product for the job."

-Ed Stogner
Director of Engineering