



Easy Arm® Easily Adapts to Automotive Assembly Process

Industry:
Automotive Assembly

Product:
Mufflers

The Problem:
Moving large exhaust assemblies multiple times during assembly

The Solution:
A Gorbel Easy Arm® with slide handle and custom gripper end tooling



Single Operator Can Now Move Exhaust Assemblies Effortlessly

A large muffler manufacturer had concerns about worker safety and fatigue during the assembly process of their exhaust assemblies.

The welding area of assembly required workers to lift the large exhaust assemblies multiple times between welding cells. Not only was this process a safety concern but it caused fatigue and a slowdown in production. A solution that could adapt to the constant changes in the assembly process was crucial. They needed a reliable, easy to use, flexible solution.

The company decided on several Easy Arms with slide handle controls and custom gripper end tooling by Cynergy Ergonomics. The new setup allows a single operator to move the exhaust assemblies all around the welding area effortlessly and quickly.

In some areas of the assembly process, float mode is utilized for precise alignment and positioning in the fixtures. Moving the smaller exhaust assemblies, workers use slide handle control Easy Arms with Cynergy vacuum tooling to move the assemblies during the fabrication process.

When the exhaust assemblies are completed, remote pendant control Easy Arms are used in conjunction with grip and pitch tooling to load dunnage racks for shipment. Easy Arm® with Slide Handle Controls have become the company's go to solution for large assembly material handling and worker safety.