



ENGINEERING | MANUFACTURING | INTEGRATION | SERVICE

CUSTOM
ENGINEERED
SOLUTIONS
FOR A STRONGER
TOMORROW

ENGINEERED MANIPULATING ARMS

**LIFT EASIER.
MOVE SMARTER.
A MORE PRODUCTIVE WORKFORCE.**

Allied Manipulating Arms provide ergonomic material handling solutions for a wide range of parts and payloads. Designed to lift, move, position, and precisely place components with ease, our arms maintain load orientation throughout the entire range of motion, helping to reduce operator strain, improve safety, and increase productivity.

LIFT.
POSITION.
MANIPULATE.
REPEAT.

WHAT IT DOES

Manipulating Arms allow operators to lift, move, and precisely position loads with minimal effort. Using a balanced, low-friction design, the arm moves freely and maintains the load's orientation throughout its range of motion, giving operators complete control.

Allied solutions can be configured for a wide range of payloads, part geometries, and workspaces, and are easily integrated with grippers, end effectors, or custom tooling to fit your application.



**PILLAR MOUNT
CONFIGURATION**



**OVERHEAD MOUNT
CONFIGURATION**



**MOBILE
CONFIGURATION**

KEY BENEFITS



Improved Ergonomics

Reduces operator strain and fatigue.



Enhanced Safety

Maintains load control and minimizes the risk of drops or injuries.



Increased Productivity

Faster, smoother handling for higher throughput.



Precise Positioning

Accurate control throughout the full range of motion.



Custom Configured

Designed to fit your part, payload, process, and environment.



Versatile Integration

Works with a variety of end effectors, grippers, and tooling.

COMMON APPLICATIONS



AUTOMOTIVE & TRANSPORTATION

Handling body panels, powertrain components, and assemblies.



INDUSTRIAL MANUFACTURING

Positioning machined parts, sub-assemblies, and heavy components.



CONSUMER PRODUCTS

Lifting and moving large appliances and assemblies.



HEAVY EQUIPMENT

Handling engines, frames, and large structural components.



AEROSPACE & DEFENSE

Precision handling of sensitive and high-value components.

REAL
CHALLENGES.
ENGINEERED
SOLUTIONS.



THE ALLIED ADVANTAGE

From application expertise to complete implementation.

Allied combines engineering, manufacturing, integration, and ongoing service to deliver Manipulating Arm solutions that fit the way you work. Our team supports custom design, application development, testing, and installation—backed by our Torque Lab and real-world experience.

From concept to installation, we engineer solutions that fit the way you work.



LET'S ENGINEER A BETTER SOLUTION.

Engineering | Manufacturing | Integration | Service



3061 W. Thompson Rd. | Fenton Twp., MI 48430



(810) 422-5093



sales@alliedindgroup.com



www.alliedindgroup.com