

ENGINEERED END EFFECTOR SOLUTIONS

PICK. PLACE. MOVE. A MORE PRODUCTIVE WORKFORCE.

Allied End Effectors are custom engineered to fit your application, providing reliable and precise part handling for a wide range of assembly and material handling processes. Designed for seamless integration with lift assist devices, Torque Arms, and other tooling systems, our End Effectors help improve ergonomics, increase productivity, and enhance overall process efficiency.

CUSTOM
ENGINEERED
SOLUTIONS
FOR A STRONGER
TOMORROW

LIFT.
HANDLE.
POSITION.
REPEAT.

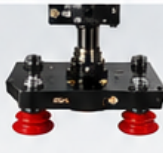
WHAT IT DOES

End Effectors are designed to engage, lift, and move parts quickly and safely, eliminating the need for manual handling and reducing the risk of damage. Our Hook & Nest type End Effectors provide a simple, reliable pick-and-place solution—ideal for applications where horizontal part rotation is not required.

Allied End Effectors can be customized to fit your part, process, and workspace, and are compatible with lift assist devices, Torque Arms, and a variety of automation systems.



HOOK & NEST
PICK & PLACE



VACUUM
SMOOTH SURFACES



CUSTOM
APPLICATION SPECIFIC

KEY BENEFITS



Faster Cycle Times

Simple pick-and-place operation without a clamp/unclamp cycle.



Improve Safety

Reduces manual handling and the risk of part damage.



Enhanced Ergonomics

Works with lift assist devices to minimize operator strain.



Reliable Performance

Engineered for consistent, repeatable part handling.



Custom Designed

Built to fit your specific part, process, and environment.



Increase Productivity

Streamlines material handling and keeps your operation moving forward.

COMMON APPLICATIONS



AUTOMOTIVE & TRANSPORTATION

Handling engine blocks, transmission cases, body panels, and structural components.



INDUSTRIAL MANUFACTURING

Pick-and-place for machined parts, castings, and sub-assemblies.



HEAVY EQUIPMENT

Handling large, heavy, or irregularly shaped components.



GENERAL MANUFACTURING

Material handling for assembly, packaging, and production lines.

REAL
CHALLENGES.
ENGINEERED
SOLUTIONS.

THE ALLIED ADVANTAGE

From concept to implementation.

Allied combines application expertise, engineering, manufacturing, integration, and ongoing service to deliver End Effector 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.