

GIMBAL MOTION CONTROL SOLUTIONS

For Defense and Aerospace companies to serve critical roles in our world, requires a partner who can connect the parts, products, and people that make the incredible possible.

Allient (Allied Nexus Technologies) is a global leader in connecting motion, controls, and power technologies to create products and solutions for customers, from standard component products to preeminent custom-designed, vertically integrated systems for both OEMs and Tier 1 suppliers.



Why Allient?

Today's micro-gimbals continue to advance and it's imperative that these new Gimbal programs offer the same level, if not better performance than today's offerings.

For over 70 years Allient's technology has offered advanced motion, controls and power solutions. We have the expertise needed to get the job done.

CERTIFICATIONS:
AS9100 Rev-D, ISO-9001

Capability Highlights

- Advanced micro-gimbals with high performance inertial stabilization technology are found on both land-based and aerial platforms such as military surveillance UAVs.
- The full motion EO imager system shown here attains continuous pan, +40°/-220° tilt and 200°/sec slew rates using custom-designed Allient brushless torque motors.
- Actuated via Allient slotless motors that feature a lightweight design with zero-cogging, high efficiency, and high performance. These motors are ideal for the smooth and precise motion required for imaging systems such as gimbals.

Products and Systems

Gimbals serve many applications across the aerospace and defense industry, both on land-based and aerial platforms. Allient's line of frameless motor kits and sets are ideal for these rotary-type applications, providing both azimuth and elevation motion in the most demanding of environments. Ranging from thermal imaging cameras to remote weapon systems, Allient has a motion system solution to meet your design requirements.

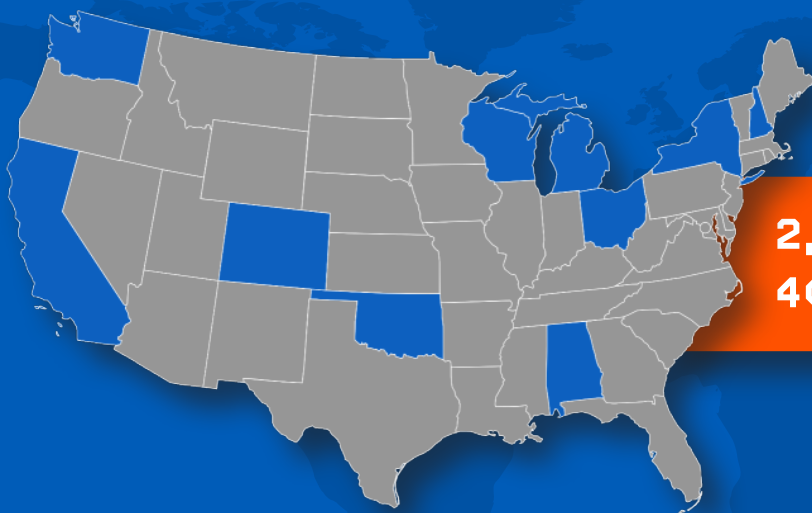
Programs and Applications

Advanced micro-gimbals with high performance inertial stabilization technology are found in:

- Unmanned Aerial Vehicles
- Radar Systems
- Spacecraft
- Search & Rescue Systems
- Electro-Optical Targeting Systems
- Balancing Air Borne Cameras and Sensors

Advanced Solutions for **AEROSPACE & DEFENSE**

Allient
CONNECTING what matters
formerly Allied Motion



2,200+ Global Employees
400+ Global Engineers

ALLIENT.COM

Copyright © 2023 by Allient Inc. All rights reserved.

Allient Inc.
495 Commerce Drive
Amherst, NY 14228 USA

+1 (716) 242-7535
inquiry@alliedmotion.com