Dynetics has teamed with Ascent Aerosystems to provide Coaxial Unmanned Aerial Vehicles (UAVs), presenting a significant advance in unmanned capability. These compact vehicles are easily stored and transported, enabling a range of missions including intelligence, surveillance, and reconnaissance (ISR); resupply; and strike. Our employment methods—hand launching, ground launching, or tube launching from mobile ground and air platforms—provide a unique platform to explore new and innovative tactics, techniques, and procedures (TTPs).

Most coaxial UAVs are bulky and fragile, making them difficult to operate without careful planning and support. The Spirit Coaxial UAV is compact, rugged, and easy to transport while tough enough to handle operational environments. A highly modular UAV by design, it is rapidly scalable and adaptable by the warfighter to any payload type and mission.

**Highlights**

- Compact self-contained form factor
- Simple cylindrical shape, rugged materials
- Swap or stack payloads in seconds
- Greater rotor disc area increases efficiency
- Modular, folded rotors, direct drive

**Portable, Rugged Airframe**

- Compact and inherently strong w/ simple interfaces

**All-Weather Operation**

- Water & particulate resistant, key MIL-Spec 810G criteria

**Highly Modular & Rapidly Reconfigurable**

- Payloads & batteries stack above and below rotor system

**Flies Longer, Carries More**

- 75% smaller w/30% longer endurance, 60% more payload over similar sized quad-rotors

**Innovation to extend human capabilities and accomplish the mission**

At Dynetics, we apply unmanned capabilities to a range of missions for both government and commercial customers. Our team brings the expertise, equipment, and processes needed to carry out advanced research and development, real-time data services, advanced payload integration and flight testing, complex flight operations, counter-UAS security, and post-delivery field service support.
Innovating Unique Capabilities Since 1974

At Dynetics, we help customers accomplish complex, high-value missions. By combining the capabilities of a large business with the responsiveness of a small business, Dynetics put in place extensive R&D capabilities and deep technical expertise in systems engineering, systems analysis, modeling and simulation, cyber, software development, rapid prototyping, test and evaluation, manufacturing, integration, and operations. Using our considerable engineering, scientific, and other technical resources, we help customers identify, analyze, and respond to complex threats to their missions.

FOR MORE INFORMATION

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