

Advanced Composite Solutions... FAST



Since 1999 Rapid Composites has been an established provider of engineering services with the skill, training, expertise and resources to take projects from concept through production. We specialize in developing products from the ground up and are capable of executing a “start to finish” process entirely under one roof.

Services and Specialties:

- Industrial Design
- Mechanical Engineering
- Electrical Engineering
- Software Engineering
- Testing
- Manufacturing
- Rapid Prototyping
- Material Science Research
- Thermoplastic Composites
- EMI/RFI Shielding
- Thermally Conductive Materials
- Non-Conductive Materials
- Continuous Fiber Molding
- Rapid Cure Composites
- Compounding and Hybridization
- CNC Machining
- Rugged Mechanisms
- Custom Equipment and Processing



All Products are Patented or Patent Pending
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Bullray™

AMPHIBIOUS VTOL UAS



2015 JEC - PARIS UAV CATEGORY WINNER

NEW UAV/UAS INNOVATIONS:

- Optionally configured as a tri, quad or penta-copter
- Amphibious (water takeoff and landing), waterproof IP67 design that is capable of flying in all weather
- Shoulder sling-able and man-portable (push button folding booms and quick release rifle sling)
- Rugged MIL-STD-810G construction (no transit case required)
- With an LOA of only 38" the Bullray has up to a 7kg payload capacity
- 3 buttons and it's in the air (15 second deployment)
- 30 to 45 minute flight time (varies depending on payload, batteries and weather conditions)
- 3 integrated rifle style Picatinny rails for implements
- Significantly lower part count than other VTOL UAV's
- Manufactured using advanced quasi-isotropic composite materials throughout its airframe (the entire fuselage can be molded in less than 5 minutes to its net shape using Rapid's automated press systems)
- Lightweight (8kg/flying no-payload) aerodynamic fuselage with semi-conventional articulating tailfin
- Integrated Surefire weapon light systems (optional)
- Multi-spectral sensor systems available (optional)
- Utilizes new Patent Pending pitch fiber pin-fin and airfoil heat sinks
- Optionally equipped with FNH-303 less than lethal launchers (Law Enforcement & Military only)