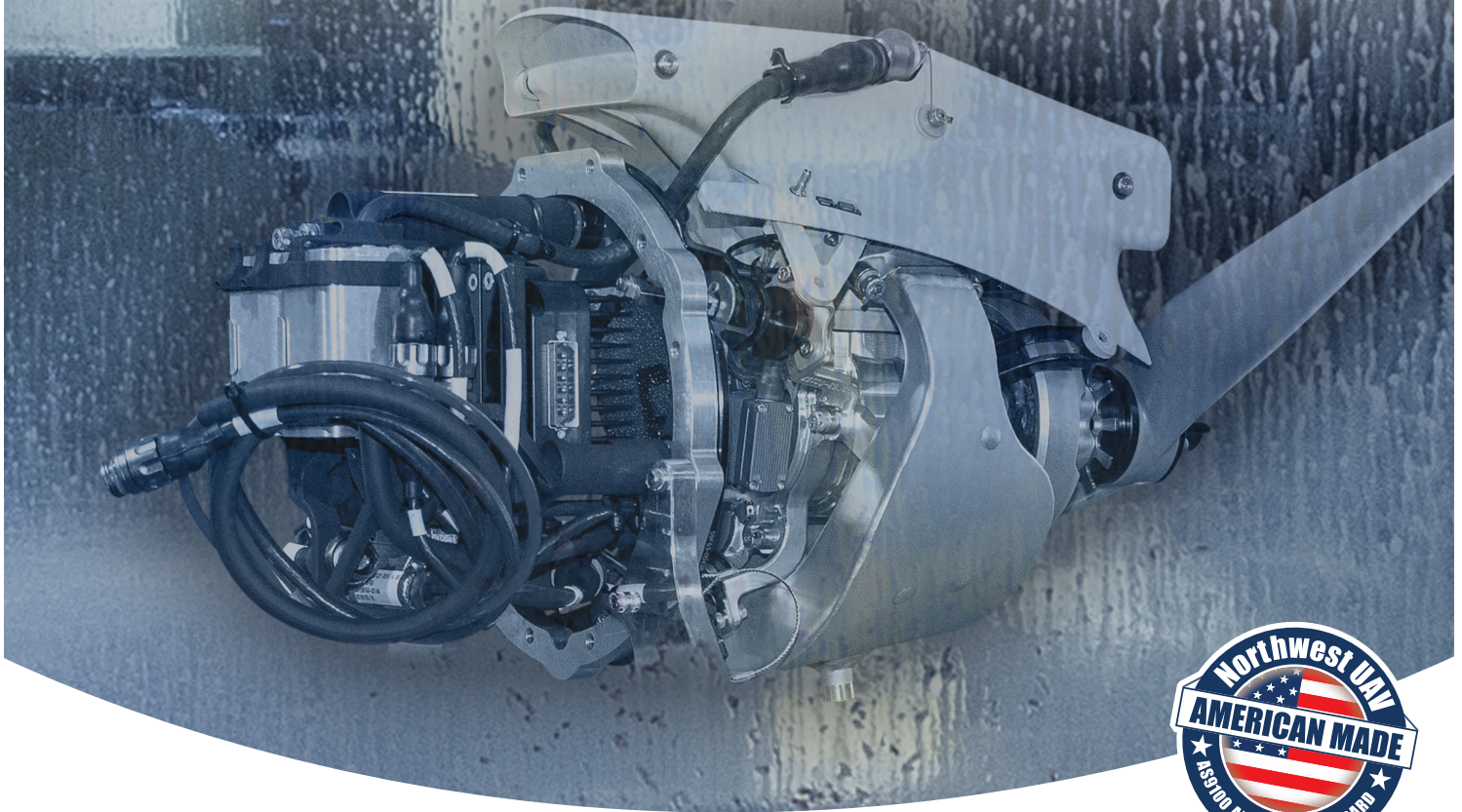


NWUAV Engine Components



THE STRATEGIC ADVANTAGE IN UAS PROPULSION

THE MISSION IS ONLY AS RELIABLE AS THE ENGINE

In an industry where failure isn't an option, your propulsion system shouldn't be a variable. Northwest UAV (NWUAV) provides the technical certainty required for high-stakes unmanned operations. We don't just supply parts; we deliver total lifecycle solutions engineered for endurance, efficiency, and mission success.

01. Design: Expert engineering for complex requirements.
02. Build: Precision manufacturing and assembly.
03. Support: Lifecycle solutions that maximize uptime.

PRECISION. POWER. PROVEN.

MILITARY PROVEN PROPULSION SOLUTIONS!



20 YEARS



VERTICAL INTEGRATION. ABSOLUTE CONTROL.

We've eliminated the risks of fragmented supply chains by housing the entire development cycle within our AS9100D/ISO9001 certified ecosystem. By controlling every variable from initial concept to final assembly, we ensure that your platform meets its performance benchmarks every time.

01. OUR CORE CAPABILITIES:

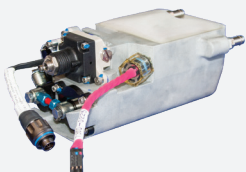
- **Precision Engineering:** Custom engine design tailored to specific density altitudes and mission profiles.
- **Advanced Manufacturing:** In-house CNC machining and rapid prototyping for accelerated deployment.
- **Quality-Assured Assembly:** Rigorous testing protocols within our AS9100-certified facility to guarantee zero-defect delivery.
- **Lifecycle Management:** Sustained support and components for long-term fleet readiness.

02. WHY NORTHWEST UAV?

THE PROBLEM	THE NWUAV SOLUTION
Supply Chain Gaps	One-stop, vertically integrated manufacturing.
Performance Degradation	High-altitude, high-performance propulsion tuning.
Regulatory Risk	Stringent AS9100D Aerospace Standards
Integration Friction	Expert technical support from design through flight.

STOP MANAGING VENDORS. START PARTNERING WITH EXPERTS.

Don't leave your platform's performance to chance. Secure your mission with the authority in UAS propulsion. Contact the Northwest UAV Engineering Team Today.



Fuel Delivery System (FDS)

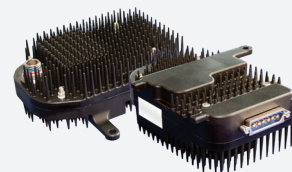
- Pressurized fuel for EFI, filtered with acrobatic pickup
- Regulated fuel pressure
- Pressure and Bingo level sensors



Muffler (patented)

- Lightweight conformed design
- Extreme acoustic suppression
- Custom engineered design

*NW-44 Custom Muffler shown.



Generator Control Unit (GCU)

- 280-Watts
- Outputs: 6V, 12V, 21V or 28V
- Trimmable to your application



Engine Control Unit (ECU)

- Purpose built for UAVs
- Highly versatile baseline, customizable



Ignition

- Capacitor Discharge Ignition (CDI)
- 25kV ignition coil
- 12V power



Rotor & Stator

- 310-Watts
- 90+% Efficient



ECU Wire Harness

- Mil SPEC connectors
- EMI/EMC protected

NOTE: All products designed and manufactured to AS9100/ISO9001 standards. COTS or custom engineered and developed for your propulsion system. Engine application is dependent on airframe factors including: Aerodynamics, propeller, and operational concept. Please contact NWUAV for guidance.



11160 SW Durham Lane | McMinnville, OR 97128
Office: 503.434.6845 | Fax: 503.217.6080 | www.nwuav.com



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