

Lumberjack®

MODULAR GROUP 3
ONE-WAY-ATTACK UAS



Lumberjack® is a modular, logistically flexible, attritable Group 3 uncrewed aircraft system designed to deliver organic loitering, beyond-line-of-sight precision strike, and electronic warfare capabilities with reduced cost per effect. Air, ground, or sea launched via a host-agnostic vehicle, Lumberjack provides an affordable one-to-many engagement option designed to reach beyond the boundaries of typical integrated air defense systems and deploy munitions.

Built with high Technology Readiness Level (TRL) sensors, avionics, manufacturing processes, and existing munitions, Lumberjack combines lethal strike, electronic warfare, ISR, and connectivity effects in a modular platform. Advanced Positioning, Navigation and Timing supports operations in GPS-denied environments, while satellite datalink enables continuous beyond-line-of-sight communications for real-time mission updates and battle damage assessments. Its hardware-agnostic software enables rapid updates and integration of new sensors and AI/ML models to adapt to evolving mission requirements.

Multi-Strike Launched Effect

LUMBERJACK®

_Distinctions



ATTRITABLE
Reduced cost
per effect



MULTI-TARGET
One-to-many
engagement
option



MULTI-MISSION
Lethal, EW,
ISR and
connectivity
effects



**EXTENDED
REACH**
Several hundred
nmi

_Specifications

GROSS WEIGHT	300lbs
TRANSPORT WEIGHT	79 lbs (no fuel or payload)
DIMENSIONS	7'1" L x 13" W x 10" H
PAYLOAD OPTIONS	Combination of kinetic and non-kinetic sub-munitions, or ISR sensors & processors
MISSION SYSTEMS	Electronic warfare, A-PNT, satellite beyond-line-of-sight communications, on-board target recognition
AIR-LAUNCH RANGE	Several hundred nmi
GROUND/SURFACE-LAUNCH RANGE	Several hundred nmi
INGRESS	0.30 Mach (~230 KTAS) @ 20,000 ft altitude
SPRINT	0.60 Mach (~400 KTAS) @ 25,000 ft altitude

_Key Features

- › Modular Design - High-TRL sensors, avionics, manufacturing processes, and existing munitions support adaptation to evolving missions.
- › Versatile Launch Options - Air, ground, or sea launch via a host-agnostic vehicle supports a wide variety of mission use cases.
- › GPS-Denied Operations - Advanced Positioning, Navigation and Timing supports mission tasks in GPS-denied environments.
- › Extended Communications Ranges - Satellite datalink maintains continuous beyond-line-of-sight communications for real-time mission updates and battle damage assessments.
- › Moving at Speed - Rapid development enables Lumberjack's ability to meet diverse or emerging mission requirements at operational speed.

_Scalable Production

Built for production at scale, ESAero's manufacturing approach combines mature production processes, a resilient supply chain, and scalable capacity to rapidly respond to evolving customer demand. Proven manufacturing infrastructure supports increased production volumes while maintaining consistent quality, reliability, and mission readiness.



E/S/AERO
AN AV COMPANY

**NORTHROP
GRUMMAN**

