

Building America's arsenal faster.

Firehawk modernizes energetics and propulsion manufacturing, enabling faster production, lower cost, and scalable domestic capacity.

The challenge

Today's Defense Industrial Base can't scale at the speed that conflict demands. Legacy methods, constrained suppliers with competing priorities, and government-funded infrastructure that idles between demand cycles drive up cost and slow surge capacity.


3M+

LBS/YEAR PROPELLANT CAPACITY AT FULL-RATE PRODUCTION. 740,000 LBS AT IOC

1,000+

ACRES OF R&D AND PRODUCTION SPACE

6 Hrs

MANUFACTURING SPEED — FROM 60 DAYS TO 6 HOURS

125K+

125,000 70MM ROCKETS AT FRP, 70,000 155MM BASE BLEEDS IN 2027.

Firehawk manufacturing platform

TODAY

Traditional batch & cure

- 01 Batch mixing followed by chemical curing
- 02 Weeks-long production cycles
- 03 Cure quality verified after production, increasing scrap and rework risk
- 04 Large energetic batches increase operational and safety risk
- 05 No new entrants have addressed the cast-and-cure bottleneck

vs

FIREHAWK

Thermoplastic platform

- 01 Continuous feedstock production:
Compounding and pelletization occur simultaneously in single-piece flow
- 02 Compression-molded grains:
Produce finished grains in hours instead of weeks
- 03 Quality verified before grain formation:
Reduces production risk
- 04 Shelf-stable feedstock:
enables on-demand logistics, inventory control and decoupled production scheduling

What we build

Artillery

155mm base bleeds and next-generation rocket assisted projectiles

Solid rocket motors

2.75in, 5in, and rocket assisted takeoff

All-up rounds

Complete rocket integration and assembly, 70mm rockets and up.

Firehawk Labs

3D-printed propellant and hybrid rocket motors

Our production facilities

Great Plains Arsenal

LAWTON, OKLAHOMA

- 01 320-acre purpose-built energetics site
- 02 120,000 base bleed units annually on a single shift, 360,000 units with triple-shift
- 03 Up to 3.1M lbs of propellant/year at full-rate production
- 04 Multi-shift, 24/7 continuous operations
- 05 Expansion capacity on-site (80+ acres)

Mississippi Integration Campus

CRAWFORD, MISSISSIPPI

- 01 636-acre DCMA-approved integration site
- 02 LAP and All-Up Round rocket production
- 03 40,000 tactical rocket systems annually, with ramp up to 120,000
- 04 Substantial headroom for rapid expansion

Take a virtual tour of the Great Plains Arsenal

SCAN THE QR CODE TO EXPLORE OUR FACILITY IN LAWTON, OKLAHOMA.



Partner with Firehawk

Learn how Firehawk is building the future of U.S. energetics manufacturing. Contact a member of our team.

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