



CAPABILITY STATEMENT

MISSION-CRITICAL HARDWARE FOR AEROSPACE, DEFENSE & SPACE
Glendale, Arizona · U.S.-Owned & U.S.-Operated · Small Business

AS9100D CERTIFIED · ITAR REGISTERED · SAM.GOV REGISTERED · SMALL BUSINESS · CMMC COMPLIANT · FAA-PMA PRODUCTION · MIL-DTL-83528

Ignova Mechanical is an AS9100D-certified, ITAR-registered, SAM.gov-registered U.S. Small Business that manufactures mission-critical hardware for aerospace, defense and commercial space. We combine precision CNC machining with advanced engineered materials — gaskets, EMI/RF shielding, thermal management, electrical insulation, masking and integrated assemblies — to solve complex mechanical, structural and electronic packaging challenges.

WHAT WE DELIVER

- **Structural & Precision Hardware** — machined housing, chassis, brackets and precision-turned components for airframe, propulsion and mission-electronics platforms, held to $\pm 0.005"$.
- **Electronic Packaging Protection** — EMI/RF shielding and thermal management keeping flight-critical avionics and defense electronics operating through interference, heat and vibration. MIL-DTL-83528.
- **Sealing & Environmental Protection** — engineered gaskets and seals protecting flight, ground and launch systems from fuel, hydraulic, pressure and environmental exposure.
- **Bonding, Insulation & Masking** — adhesive-bonded and tape-converted components for electrical insulation and masking in electronic builds.
- **Integrated Kits & Assemblies** — machined structures delivered complete with shielding, sealing and bonding installed — one supplier, one quality system, no integration risk.

FOCUS MARKETS

- **AEROSPACE & MRO** Sustainment hardware for platforms that can't wait on a new-build lead time — original BOM or DFM-revised, small lots, fast turns, FAA-PMA experience.
- **SPACE** Human-rated flight heritage — machined brackets and mounts on NASA Artemis seating, extending to shielding, sealing and thermal management. Blue Origin heritage.
- **UAS, MISSILES & MUNITIONS** Structural and packaging hardware for compact, high-consequence systems — machined housings, EMI shielding and thermal control for avionics, seekers and payload bays at ramping volume.

WHY IGNOVA

- **One supplier, mission-ready.** Structural hardware and the materials that protect it, built under a single AS9100D quality system — no integration risk between separate suppliers.
- **Proven on programs that matter.** Honeywell Aerospace contract through 2030 with self-release authority; hardware delivered into the NASA Artemis and Blue Origin supply chains.
- **Engineered to the mission, not a catalog.** Brand-agnostic sourcing — Laird, Parker Chomerics, Rogers, Henkel, Bergquist, 3M, Saint-Gobain, Boyd, W.L. Gore — specified to the requirement.
- **Positioned in the A&D corridor.** Single U.S. site in Glendale, Arizona — inside the Phoenix aerospace and defense supply base.
- **NPI-ready.** Quick-turn prototypes, DFM support, APQP / PPAP / FAI, CofC and FAIR on every lot.

KEY CUSTOMERS & PROGRAMS

Honeywell Aerospace — long-term contract 2013–2030, self-release | NASA Artemis — seating system hardware | Blue Origin — commercial space hardware | TRI Aero — FAA-PMA fuel cap handle | HEICO · General Dynamics · L3Harris

Serving Aerospace & Defense since 1973.

COMPANY DATA

UEI	MBEJA5WFG657
CAGE Code	138C7
SAM.gov	Active
Business Size	Small Business
Entity	LLC — U.S. Owned
Facility	23630 N 35th Dr, Glendale, AZ 85310

NAICS CODES

339991	Gaskets, Packing & Sealing — PRIMARY
336419	Guided Missile & Space Vehicle Parts
336413	Aircraft Parts & Aux Equip (MRO)
332710	Machine Shops (CNC)
332994	Ordnance & Accessories
326299	All Other Rubber Products

PSC / FSC CODES

5330	Packing & Gasket Materials
5999	Misc Electrical & Electronic Comp.
1680	Misc Aircraft Accessories & Comp.
1560	Airframe Structural Components
5340	Hardware, Commercial
5970	Electrical Insulating Materials

SIC CODES

3053	Gaskets & Sealing
3728	Aircraft Parts
3769	Missile & Space Parts
3499	Fabricated Metal
3599	Industrial Machinery

EQUIPMENT & INSPECTION

- **Structural machining** — 3- to 5-axis CNC milling & turning to $\pm 0.005"$ - 1"-16" envelope.
- **Precision verification** — MasterCAM, Wenzel CMM, MicroVu vision.
- **Packaging & sealing conversion** — die and laser cutting up to 36" diameter.
- **Bonding & lamination** — controlled multi-layer adhesive and tape stack-up.
- **Full material traceability** — lot and cure-date control on every material.

CONTACT

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