AmmoDyn, Corp.

Integrated Defense Industrial-Base Capability Statement

DOMESTIC AMMUNITION MANUFACTURING | CNC / PRECISION MANUFACTURING | GOVERNMENT & INSTITUTIONAL DEFENSE SALES

EXECUTIVE OVERVIEW

AmmoDyn, Corp. is a Texas-incorporated U.S. defense industrial-base company headquartered in Signal Hill, California. The company integrates regulated ammunition supply and planned domestic production, CNC / precision manufacturing, and government / institutional defense sales into one compliance-first operating platform.

AmmoDyn's operating foundation includes ammunition importation, ATF-compliant warehousing, controlled distribution, domestic and international logistics, commercial sales, government-facing development, and staged U.S. manufacturing expansion. Its leadership and shareholder base combines senior military, legal and regulatory, finance, technology, HR / compliance, procurement, and operational experience.

THREE-PILLAR OPERATING PLATFORM

PILLAR A

DOMESTIC AMMUNITION MANUFACTURING

Waterbury Farrel-supported U.S. production architecture for 9x19mm, shared 5.56x45mm / 7.62x51mm, and 12.7x99mm / .50 BMG. Includes component manufacture, cartridge assembly, inspection, technical transfer, workforce formation, and quality-release gates.

PILLAR B

CNC / PRECISION MANUFACTURING

Company-side multi-axis machine base anchored by an 8-axis integrated turn-mill and planned for U.S. integration. Supports tooling, fixtures, gauges, prototypes, repair spares, selected build-to-print parts, and high-tolerance non-energetic components.

PILLAR C

GOVERNMENT & INSTITUTIONAL DEFENSE SALES

Authorized market-development and sales channels for Colt Military & Law Enforcement platforms and EOTECH optics / sights and MatrEX product lines where authorized, routed through compliant government, law-enforcement, institutional, and vetted local-partner channels.

OPERATING FOUNDATION & CORE COMPETENCIES

- Ammunition supply: Import, wholesale distribution, controlled supply, storage, warehousing, and fulfillment of military-grade, commercial, and sporting ammunition.
- Regulated logistics: DOT Hazmat coordination and controlled domestic / international movement through approved carriers, importers, distributors, and institutional channels.
- Government-facing development: Direct RFQs, defense procurement solicitations, institutional supply channels, and Foreign Military Sales-related opportunity development.
- Industrial expansion: Planned U.S. ammunition production, CNC integration, workforce formation, domestic supplier development, and long-term operating capacity.
- International supply network: Established relationships across Turkiye and Europe supporting NATO-specification ammunition and related defense products.

PILLAR C - GOVERNMENT & INSTITUTIONAL SALES

Reported sole-source / authorized coverage, where applicable:

- Colt Military & Law Enforcement: Turkiye, Iraq, Syria, Lebanon, Uzbekistan, and Egypt.
- EOTECH: Turkiye, Iraq, Syria, Uzbekistan, Kazakhstan, Egypt, and Cyprus.

Route to market: vetted local importers, distributors, or agents; authorized country partners; or direct government / law-enforcement buyers, depending on the transaction and territory.

Transaction controls: OEM authorization, SKU-specific export classification, U.S. export licensing where required, destination import approval, end-use / end-user controls, sanctions screening, and documented compliance review.

Confidential authorization records can be provided separately through an appropriate diligence channel.

COMPLIANCE, QUALITY & CONTROLLED DATA

- Licensing and operating posture: FFL Type 08 ammunition importer; DOT Hazmat-compliant operations; California ammunition vendor licensing / CLEFFL confirmation; SAM.gov active.
- Compliance-first review: ATF, DOT Hazmat, export-control, state licensing, storage, distribution, end-use, sanctions, data-rights, and customer-specific requirements.
- Controlled data: defined access boundaries, managed permissions, multi-factor authentication, encryption, audit logging, access reviews, and incident-response procedures.
- Quality / traceability: material and lot records, revision control, inspection planning, calibration evidence, nonconformance handling, Certificates of Conformance, and acceptance documentation where required.

COMPANY DATA

HEADQUARTERS	3318 Industry Dr., Signal Hill, CA 90755
YEAR ESTABLISHED	March 26, 2024
INCORPORATED IN	Dallas, Texas
CAGE / UEI	9YDR5 / HUR8L92MF1L4
DUNS	11-930-86241
SAM STATUS	Active
PROFILE	Small Business; HUBZone pending
NAICS	423990, 423910, 332710, 332721
WEBSITE	www.ammodyn.com

LEADERSHIP & POINTS OF CONTACT

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AmmoDyn, Corp.

Pillar A - Domestic Ammunition Manufacturing Capability

WATERBURY FARREL-SUPPORTED PISTOL LINE | SHARED SMALL-RIFLE LINE | LARGE-RIFLE LINE

PILLAR A EXECUTIVE POSITIONING

Positioning: Pillar A is AmmoDyn's planned U.S.-based ammunition-manufacturing platform under Project Mesquite. The current baseline is anchored in the Waterbury Farrel production architecture for a dedicated 9x19mm pistol line, a shared 5.56x45mm / 7.62x51mm NATO small-rifle line, and a dedicated 12.7x99mm / .50 BMG large-rifle line.

Manufacturing scope: component production, case and projectile manufacturing, cartridge assembly, gauging, inspection, packaging, documentation, technical transfer, training, preliminary inspection, final acceptance, and later customer-specific qualification. Primer insertion / varnishing and propellant feeding are included in assembly; primer and propellant manufacturing are not part of the current baseline.

COMMON ENABLING SYSTEMS

- Cup manufacturing: uncoiler / straightener, B&C; 100/70 blank-and-cup press, wash-rinse-lube-dry, annealing furnace, and pickle-rinse-lube-dry systems. Vendor seed: up to 1,800 cups per minute.
- Lead-wire manufacturing: electric melting furnace, agitator, lead pump, billet casting, billet shear, 250-ton extrusion press, and spoolers. Vendor seed: approximately 650 kg/hour.
- Final assembly and support: primer insertion / varnishing, cartridge loading, propellant feeding, gauge-and-weigh, cartridge visual inspection, packaging, conveyors, laboratory equipment, ballistic testing equipment, production gauges, electrical, documentation, training, and acceptance support.

PISTOL LINE - 9x19MM (DEDICATED)

- Projectile: lead-slug swaging, vibro wash / polishing, bullet assembly transfer press, and final cleaning / polishing.
- Case: pistol case-forming unit; wash / rinse / dry; head turning and mouth reaming / trimming; vibro polishing; automatic case gauging.
- Finished cartridge: primer insertion, loading, propellant feed, gauge / weigh, visual inspection, and packaging. Rated seed: up to 250 parts per minute.

SMALL-RIFLE LINE - 5.56x45MM / 7.62x51MM NATO (SHARED)

- Projectile: lead-slug swaging, cleaning / polishing, rifle bullet assembly, final polishing, and bullet gauge / weigh.
- Case: initial and final forming units; intermediate washing, annealing, pickling, and drying; head turning / trimming; mouth and low-temperature annealing; case gauging and visual inspection.
- Change parts: caliber-specific dies, modular tooling, gauges, feeders, inspection settings, and packaging change parts. Rated seed: up to 250 parts per minute.

LARGE-RIFLE LINE - 12.7x99MM / .50 BMG (DEDICATED)

- Projectile: lead swaging, steel-core machine, optional hardening / cleaning where required, bullet-jacket manufacturing, bullet assembly, polishing, and gauge / weigh.
- Case: initial, intermediate, and final forming units; wash / anneal / pickle stages; body, mouth / neck, and low-temperature annealing; head turning, mouth trimming, flash-hole drilling, case gauging, and visual inspection.
- Finished cartridge: assembly, gauge / weigh, visual inspection, and packaging. Rated seed: up to 50 parts per minute.

85% OEE ANNUAL CAPACITY MODEL

LINE / CALIBER FAMILY	VENDOR RATE	1 SHIFT	2 SHIFTS
Pistol 9x19mm	250 ppm	25.5M	51.0M
Small rifle 5.56x45 / 7.62x51 (shared hardware)	250 ppm	25.5M	51.0M
Large rifle 12.7x99 / .50 BMG	50 ppm	5.1M	10.2M
TOTAL PLANNING OUTPUT	-	56.1M	112.2M

P50 planning basis: 85% Overall Equipment Effectiveness (OEE), one 8-hour shift as the base posture, two 8-hour shifts as the surge posture, 10,000 shift-minutes per month, and 12-month annualization. Formula: Rated ppm x 10,000 minutes x 0.85 x shifts x 12 months. Outputs are modeled good-round planning values, not production guarantees.

SMALL-RIFLE NON-CONCURRENCY

- One shared line: 5.56x45mm and 7.62x51mm are not produced simultaneously on the same hardware.
- Output allocation: 25.5M one-shift or 51.0M two-shift annual line capacity is allocated between the two calibers by documented product mix.
- Changeover: approximately one full 8-hour shift between calibers; treated as planned downtime within OEE / availability.

PHASED OEM READINESS PATH

- Approx. 12 months: cup / lead-wire and pistol-line equipment readiness.
- Approx. 16-18 months: small-rifle equipment readiness.
- Approx. 36 months: large-rifle / .50 BMG equipment readiness; current critical path.
- Follow-on: shipment, rigging, utilities, installation, commissioning, Site Acceptance Test, training, QA release, and customer qualification. Timing remains subject to final contract scope and vendor schedule.

TECHNICAL TRANSFER, QUALITY & CONTROLLED READINESS

OEM TECHNICAL TRANSFER

- Project-specific engineering and equipment design.
- Factory testing / runoff, installation supervision, commissioning, and customer training.
- Replacement parts, preventive maintenance, emergency support, engineering, and long-term information exchange.

QUALITY & ACCEPTANCE

- Gauge / weigh, visual inspection, laboratory and ballistic-test equipment, and production gauges.
- Lot travelers, material / process traceability, calibration, dimensional records, CoC, NCR / CAPA, and release records.
- First Article / Lot Acceptance readiness and customer-specific qualification gates.

EXECUTION BOUNDARIES

- Capacity depends on final contract scope, site / utility readiness, workforce, materials, QA release, maintenance, and operating maturity.
- Future calibers or specialized ammunition require separate engineering, tooling, safety, data, inspection, qualification, and customer-acceptance review.
- Primer and propellant manufacturing remain outside the current active baseline.

AmmoDyn, Corp.

CNC / Precision Manufacturing Capability Statement

8-AXIS INTEGRATED TURN-MILL | 3-/4-/5-/8-AXIS CNC | BUILD-TO-PRINT PARTS | TOOLING & FIXTURES | METROLOGY

EXECUTIVE POSITIONING / PARTNER USE

Positioning: AmmoDyn is expanding its defense industrial-base platform with a company-side precision-manufacturing machine base operating in a NATO-allied footprint and planned for U.S. integration. The current base now includes a DMG MORI NTX 3000 8-axis integrated turn-mill, extending the platform into done-in-one machining of complex rotational components, long workpieces, and multi-surface parts alongside established 3-, 4-, and 5-axis capacity.

How to use this handout: Screen machine-to-part fit, determine where the 8-axis lane reduces setups or extends length / diameter capability, identify supply-chain bottlenecks, and open a follow-on NDA / RFQ / drawing-review lane. AmmoDyn is seeking Letters of Support, Teaming Agreements, pilot RFQs, pre-contract endorsements, or written partner interest for federal industrial-base expansion packages.

Review posture: No part-family claim is treated as approved until drawings, material specifications, source approval, quality clauses, inspection criteria, export-control / CUI handling, and customer acceptance gates are satisfied.

PARTNERING ASK / MEETING GOALS

- Assess whether AmmoDyn's 3-/4-/5-/8-axis precision-manufacturing platform can support subcontracting needs in high-tolerance non-energetic parts, tooling, fixtures, gauges, prototypes, repair spares, special tools, and production-support hardware.
- Conduct a first-pass fit screen against the NTX 3000 8-axis integrated turn-mill, multi-tasking turn-mill / live-tool turning, 5-axis machining centers, 4-axis horizontal centers, CMM metrology, laser cutting, forming, and welding assets.
- Identify part families that benefit from done-in-one machining, fewer datum transfers, a 3,125 mm long-part envelope, complex multi-surface access, or repeat multi-face production.
- Convert meeting interest into a concrete next-step artifact: NDA and drawing screen, pilot RFQ, written supply-chain fit note, Letter of Support, Teaming Agreement, or capability-validation meeting.

INTEGRATED CNC MACHINE BASE

- 8-Axis Flagship: DMG MORI NTX 3000 integrated turn-mill; dia. 670 x 3,125 mm work envelope; 76-tool magazine; 12,000 rpm. Supports done-in-one turning / milling, long workpieces, fewer setups, reduced datum transfer, and stronger dimensional evidence.
- Multi-Axis CNC Base: 14 machining and turning platforms with 3-, 4-, 5-, and 8-axis coverage, including six 5-axis machining centers, a Mazak multi-tasking turn-mill, horizontal machining centers, universal milling, live-tool turning, and vertical machining.
- Metrology: DEA Global Classic CMM (900 x 2,000 x 800 mm) and DEA Mistral CMM (700 x 700 x 500 mm), in-process gauging, dimensional reports, first-article evidence, and CoC support.
- Laser / Forming / Welding: Bystronic 3,000 x 1,500 mm laser; steel to 25 mm and aluminum / stainless to 15 mm; 220 T and 30 T press brakes; roll bending; TIG / MIG / MAG fabrication.
- Operating Quality Baseline: ISO 9001:2015; EN ISO 3834-2; ISO/IEC 27001:2023; ISO 14001; ISO 45001; AS9100 aerospace and defense QMS certification in progress.
- Part-Screen Inputs: Diameter, length, axis count, part mass, material / heat-treat state, tolerance stack, surface finish, datum structure, inspection method, source approval, and packaging requirements.

BEST-FIT PART FAMILIES

- Complex Rotational / Long-Part: Bodies, housings, adapters, sleeves, shafts, tubes, carriers, rings, and precision round-support hardware suited to the 8-axis turn-mill lane.
- Build-to-Print Parts: Brackets, plates, housings, adapters, pins, bushings, spacers, mounts, connector plates, electronics chassis, and cooling plates.
- Tooling / Fixtures: Workholding, jigs, alignment tools, gauges, inspection aids, test adapters, molds / dies support, special tools, and production-support hardware.
- Sustainment / Prototype: Selected non-energetic repair spares, depot-support hardware, fit-check articles, engineering-change hardware, low-rate pilot parts, and inspection coupons.

INDICATIVE MACHINE MATRIX

System	Capability / envelope highlights	Best first screen
8-Axis Turn-Mill	DMG MORI NTX 3000; 8-axis integrated turn-mill; dia. 670 x 3,125 mm; 76 tools; 12,000 rpm; done-in-one turning and milling.	Complex bodies, housings, adapters, sleeves, long shafts / tubes, and rotational support hardware.
Turn-Mill / Turning	Mazak INTEGREX i-350S and Mori Seiki NL 2000; multi-tasking / live tooling; envelope up to dia. 670 x 1,519 mm.	Pins, bushings, rings, spacers, shafts, carriers, and repeat round-part work.
5-Axis Milling	Six 5-axis centers across DMU, Ecomill, CMX, DMF, and Mazak VARIAXIS platforms; up to dia. 1,050 x 900 mm.	Complex housings, adapters, brackets, fixtures, tooling, and multi-surface parts.
4-/3-Axis Machining	DMU 60 monoBLOCK; NHX / NHC horizontal centers; Haitian VMC; 24-60 tool capacity; envelopes to dia. 800 x 1,000 mm.	Repeat multi-face parts, plates, connector hardware, fixtures, and production aids.
Metrology / Fabrication	Two DEA CMMs; 3,000 x 1,500 mm laser; 220 T / 30 T brakes; roll bending; TIG / MIG / MAG welding.	Dimensional reports, FAI / CoC evidence, sheet-metal parts, weldments, and assemblies.

QUALITY, METROLOGY & CONTROLLED DATA

RFQ / drawing intake: NDA, marking, data rights, export-control / CUI screen, revision control, material, finish, and quality-clause review.

Process plan: Machine route, workholding, tool path, operation sequence, in-process checks, outside processing interface, and packaging requirements.

Inspection plan: Critical dimensions, datum structure, sampling plan, CMM / gear-CMM use, gage control, surface-finish verification, and acceptance evidence.

Traceability: Material certifications, traveler, operation signoffs, calibration evidence, dimensional report, nonconformance handling, and Certificate of Conformance where required.

Controlled data posture: Defined CUI boundary, managed access, MFA, encryption, audit logging, access reviews, incident-response procedure, and NIST SP 800-171 SSP / POA&M; / SPRS evidence for approved review channels.

Evidence flow: Data receive -> engineering review -> quality plan -> pilot article -> inspect / correct -> release gate / customer acceptance.

CONTROLLED SCOPE

This sheet covers selected precision non-energetic mechanical components and manufacturing aids.

Energetic items, explosive-train items, propellant, fuze, warhead, and other sensitive controlled articles require separate legal, safety, technical, customer, and regulatory review.

Tolerance values are indicative machine-matrix bands. Actual delivered tolerances are part-specific and confirmed through setup, process planning, trial cuts, inspection method, calibration evidence, and customer acceptance.

Flight-critical, fracture-critical, safety-critical, special-process, and restricted-rights drawing packages proceed only through applicable customer, regulator, source-approval, and counsel-approved gates.

U.S. INTEGRATION PATH / FOLLOW-ON LANE

U.S. Integration Path: Verify machine records, condition, and control; relocate and install; activate and prove the 8-axis lane; calibrate and align both CMM systems; establish tooling, programming, maintenance, and inspection methods; train U.S. machinists, programmers, quality, metrology, and maintenance personnel; and execute controlled pilot work packages. Repeat production proceeds only after inspection, customer / source approval where applicable, acceptance, and release gates are satisfied.

Engagement Lane: Meeting introduction -> NDA -> part-family / drawing screen -> RFQ or pilot article -> inspection evidence package -> customer review -> Letter of Support, Teaming Agreement, pre-contract endorsement, or written supply-chain fit note where a validated capability match exists.

COMPANY DATA / POINTS OF CONTACT

Identifiers: AmmoDyn, Corp. | CAGE 9YDR5 | UEI HUR8L92MF1L4 | SAM.gov Active
Profile: Small Business; HUBZone pending | NAICS 332710, 332721, 423990, 423910 | www.ammodyn.com

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