



CAPABILITIES STATEMENT

BB&H TOOL COMPANY

PRECISION CNC MACHINING · DEFENSE · AVIATION · INDUSTRIAL



01 COMPANY OVERVIEW

BB&H Tool Company is a Columbus, Ohio precision manufacturer supporting Department of Defense, aviation, and industrial programs. The company machines close-tolerance components to defense specification, carries parts from first article through rate production, and resolves producibility problems at the source rather than at the point of delivery. Work is governed by an internal quality management system built to AS9100 standards and executed by mechanical and aerospace engineers with direct DoD and aviation program experience.



MULTI-AXIS MILLING



TURNED COMPONENTS



CNC TURNING CELL

02 CORE COMPETENCIES

PRECISION CNC MACHINING

Milling and turning in steel, aluminum, titanium, and engineered plastics.

MILITARY & AEROSPACE COMPONENTS

Close-tolerance parts manufactured to defense specification and drawing requirements.

PROTOTYPING & REVERSE ENGINEERING

Iterative design support that compresses development timelines on legacy and new-build parts.

FIRST ARTICLE THROUGH PRODUCTION

Qualified launch followed by optimized rate delivery.

SMALL-LOT & HIGH-MIX PRODUCTION

Cell configuration matched to variable defense demand.

COMPLEX ASSEMBLY & FABRICATION

In-house capability to build and validate complete systems.

03 DIFFERENTIATORS

- ◆ **ENGINEERING-LED.** Mechanical and aerospace engineers with DoD and aviation backgrounds deliver root-cause resolution, not part delivery alone.
- ◆ **AEROSPACE QUALITY.** Internal QMS built to AS9100 standards enforces compliance, traceability, and accountability.
- ◆ **FAST-TURN RESPONSE.** Streamlined quoting and flexible machining cells for high-priority DLA and defense requirements.
- ◆ **CONTROLLED HANDLING.** Cleared team and facility practices for CUI drawings and documentation. CMMC 2.0 C3PAO certification in progress.
- ◆ **PROGRAM INTEGRATION.** Operates as an extension of the customer's program team through the life of the requirement.

04 MANUFACTURING ENVELOPE

MACHINING	MATERIALS	TOLERANCE	MILLED ENVELOPE	TURNED ENVELOPE
3- & 4-axis milling 5-axis turning Surface grinding	Steel · Aluminum Titanium Engineered plastics	0.0001 in [2 µm]	20 in³ max part volume	16 in diameter thru-bore shaft to 2.6 in diameter
5-AXIS MACHINING CELL DVF 6500T mill-turn · NX digital engineering environment · Zeiss CMM				

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