



CAPABILITIES PROFILE

LEGAL NAME: DABS M&A, LLC

Manufacturing dba: Defense and Aerospace Business Solutions

Materials dba: High Tech Material Solutions

ADDRESS:

22 42nd St NW, Ste B,
Auburn, WA 98001 (USA)
Office: (253) 872-2200
Quotes: (253) 872-0728

WEB SITES:

www.dabsmfg.com
www.hightechmaterialsolutions.com

EIN: 813906676

DUNS NO: 080593560

CAGE CODE: 7TW13

SIZE: SBE / WOSB

GEOGRAPHIC REGIONS:

US Manufacturer
Global Distribution Capabilities

CERTIFICATIONS:

ISO 9001:2015 / AS9100 REV D
ITAR Registration
JCP Number: 0079112

KEY CUSTOMERS:

PCC Aerostructures - USD
Renton Coil & Spring
JD Ott Company
Cadence Aerospace - Giddens
Accurus Aerospace
Stevested Machinery & Engineering

PRIMARY NAICS CODES

- 332710 Machine Shops
- 336412 Aircraft Engine and Engine Parts Mfg.
- 336413 Other Aircraft Part and Auxiliary Equipment Mfg.
- 336415 Space Vehicle Propulsion and Parts Mfg.
- 336419 Other Guided Missile and Space Vehicle Parts and Auxiliary Equip Mfg.
- 332991 Ball & Roller Bearing Mfg.
- 332999 All Other Miscellaneous Fabricated Metal Product Mfg.
- 333514 Tool, Die and Fixture Mfg.
- 333515 Accessories for metal cutting and forming machine tool Mfg.
- 333517 Machine Tool Mfg.
- 333419 Other Elect. Component Mfg.
- 541330 Engineering Services
- 541614 Process, Physical Distribution, and Logistics Consulting Services
- 423510 Metal Services/Merchant

BUSINESS OVERVIEW

DABS specializes in manufacturing, systems integration and completion of complex aerospace, space, defense and commercial structures and components. DABS provides raw materials, supply chain management, quality precision machining, fabrication, assembly and kitting for components critical to aircraft, UAVs, spacecraft, satellites, and other vehicles. DABS has experience with more than 3000 unique sub-components, including components for aircraft manufactured by Boeing, Airbus, Safran, Blue Origin, SpaceX, Lockheed Martin, Sikorsky, Northrup Grumman, and Bell Helicopter.

CORE COMPETENCIES

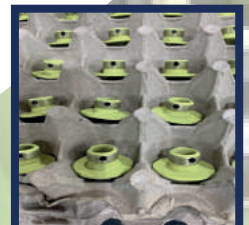
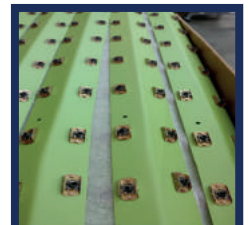
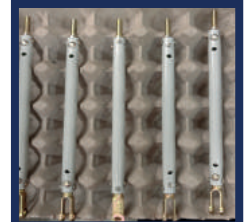
- Systems integration and completion of complex structures and components
- Complete manufacturing of toleranced hard-metal parts
- Engineering for manufacturing and reverse engineering
Supply Chain Management
- Factory 4.0 Innovations/Automation, and Lean work-cell
- modeling

CAPABILITIES

- Fast precision manufacturing and assembly of actuated flight control components, including push-pull and torque tubes and rod ends
- Fabrication and assembly of high tolerance / complex small to large structural sub-assemblies
- Installation of all fastener types, bushings and bearings
- Riveting, boring, honing, reaming, swaging/Orbital swaging
- Specialty fixturing and tooling to customer-specific requirements and specifications
- Supply Chain Management, Design for Manufacturing, and Reverse Engineering
- Advanced Raw Materials, incl: hard metals, ceramics, substrates, crystal, and extreme heat-tolerant shielding materials

DIFFERENTIATORS

- A combination of lean, six sigma process improvements with technological innovations to automate machines, allowing people and machines to work harmoniously for greater efficiencies and quality
- In-house mechanical engineering and programming for rapid design and prototyping, and design of custom tooling and fixtures
- One-on-one consultation with manufacturing experts and engineers for large and complex manufactured components and assemblies
- In-house, temp controlled inspection room with state-of-the art equipment, inside 11,500 sq ft manufacturing facility
- Located near a mature supply chain and domestic / int'l rail, air, and sea shipping





CAPABILITIES PROFILE

DABS TEAM

DABS' leadership team possesses more than 75 years in aerospace and defense experience, working for world-class OEMs, USAF, Army, Pentagon and related industries in manufacturing and maintenance, creating a unique combination of end-to-end experience across the entire aerospace & defense manufacturing lifecycle and value stream.

KEY CONTACTS

- Anne Russell, CEO: (253) 854-7303, anne.m.russell@dabsmfg.com
- Andrew Russell, GM Production & Engineering: (480) 205-8336, ajrussell@dabsmfg.com
- Troy Rosario, Director Sales, Mfg. (253) 872-2200, sales@dabsmfg.com
- Colleen Myers, Director Sales - Materials (253) 334-4065, sales@hightechmaterialsolutions.com

HIGHLY SKILLED AND TRAINED TEAM

2x CNC Programmers; 1x Mastercam/CMM Programmers; 3x Master Machinists; 1x Mechanical/Aero Engineer; 2x Sales/Estimating; 3x Machining/Assembly; 4x Core Assembly; 2X Shipping/Receiving. (Capacity: Current -1 full shift with capacity for 3x shifts)

PERFORMANCE

DABS has served a broad customer base of more than 60 aerospace, defense, and commercial customers:

Year	Total Pos	Unique Parts	Total Units Produced	Quality
2019*	6290	1515	250,000	99.98%
2018	6830	1620	323,000	99.97%

Line Card

Machining Capabilities

Machines

4 Axis Makino Horiz Pallet
 5 Axis HAAS VF6 SS
 3 AXIS VF-6
 4 AXIS VF-4 SS
 3 AXIS FADAL EMC
 Mori Seiki SL25M
 Mori Seiki NXL2500MC
 Sunnen Hone
 Manual Lathe
 Manual Mills
 Custom Orbital
 Swaging Machine

Inspection

Enclosed Temp Controlled
 QA Room
 MITUTOYO BRT-M710 CMM
 NIKON LKV30.10.8 CMM

Part Marking

Ink / Laser Part
 Engraving

Assembly Capabilities

Parts Portfolio

Small / Mid-Size / Complex
 Components
 Push-pull and torque tubes
 Rod Ends - Clevis & Bearing
 Hard metal extrusions
 Specialty parts and processes
 Repair & Overhaul
 Disassembly & Repair
 Bearing & Bushing R&R
 Exotic metals

Software

E2 ShopTech (ERP)
 Mastercam
 SOLIDWORKS
 CMM-MANAGER
 AutoCAD
 CATIA

Structural / major assemblies

Complex Assemblies
 Tooling and Fixturing
 CNC Drilling and Reaming
 Honing
 Deburring
 Bearing installation and all
 types of retention
 Swaging both sides bearing
 Orbital swaging
 Staking housing to depth
 Swaging sleeve
 Ball stake to depth
 Line stake
 Line stake sleeve
 Point stake
 All types of Sealants and
 Bonding
 Helicoil
 Key lock
 Pemserts

Local access to:

Heat treat
 Wet paint
 Powder coating
 Plating
 Other finishing

Riveting

Machine "C" squeeze
 Hand
 Pull type
 Wet install seal
 Brush seal
 Double flush
 Below flush

Ground studs - Testing

Sealing
 Pull type

Conductivity Testing

Hi-locks
 Huck bolts

On Hand Materials

Aluminum-Bronze and steel
 bearing metal
 Nutplates, rivets, bushings, etc.
 Most standard aerospace
 certified sealants and adhesives
 BMS 5-45 / BMS 5-95
 MIL-PRF-81733 / AMS-S-8802
 BMS 10-11

*Reduction in 2019 workload due to Boeing 737 Max removal from service and production