



HONEYCOMB

HONEYCOMB COMPANY OF AMERICA, INC.

Quality Aerostructures Since 1948

www.HCOAInc.com

Over 70 Years of Service to the Aerospace Industry

Since 1948, Honeycomb has delivered innovative solutions for aviation maintenance operations which maximize aircraft readiness by reducing downtime and costs. We understand that it is about more than just producing quality parts and services. It is about the people – both on the ground and in the air – that keep the aircraft flying.



Honeycomb's Beginnings

In 1948 the company founders identified the need for a strong but lightweight material to be used in the manufacture and repair of aircraft. They developed and patented a method of manufacture for lightweight aluminum material in the shape of honeycomb and Honeycomb Company of America was born.

While much has changed over the years, we remain as committed to building the highest quality products as we were when we first opened our doors for business.

Honeycomb is now recognized as a leader in the manufacture of bonded metal-to-metal, metal-to-honeycomb, and honeycomb to epoxy-composite assemblies for fixed-wing and rotary-wing aircraft.

Our vertically integrated processes, skilled workforce, and facilities are here to meet all your aerostructure needs both today and into the future.



HONEYCOMB THEN

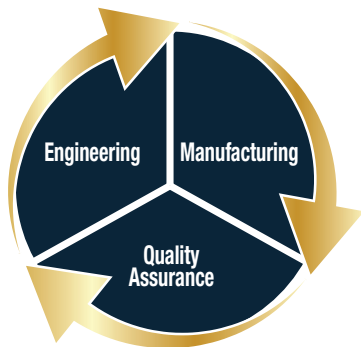
HONEYCOMB NOW 12-acre facility comprising 12 buildings, totaling 150,000 square feet.





Honeycomb's Vertical Integration Makes All the Difference

Honeycomb's Engineering group develops manufacturing plans, identifies special tooling required, and establishes inspection criteria based on OEM/customer supplied data.



We produce the special tooling, fixtures, details, etc. required to manufacture components and finished assemblies based on the Engineering group's planning.

If it isn't done right, it isn't done. Quality Assurance performs inspections throughout the manufacturing process and final product release sign off to ensure the product delivered meets all customer requirements.

Honeycomb's Product Development Process

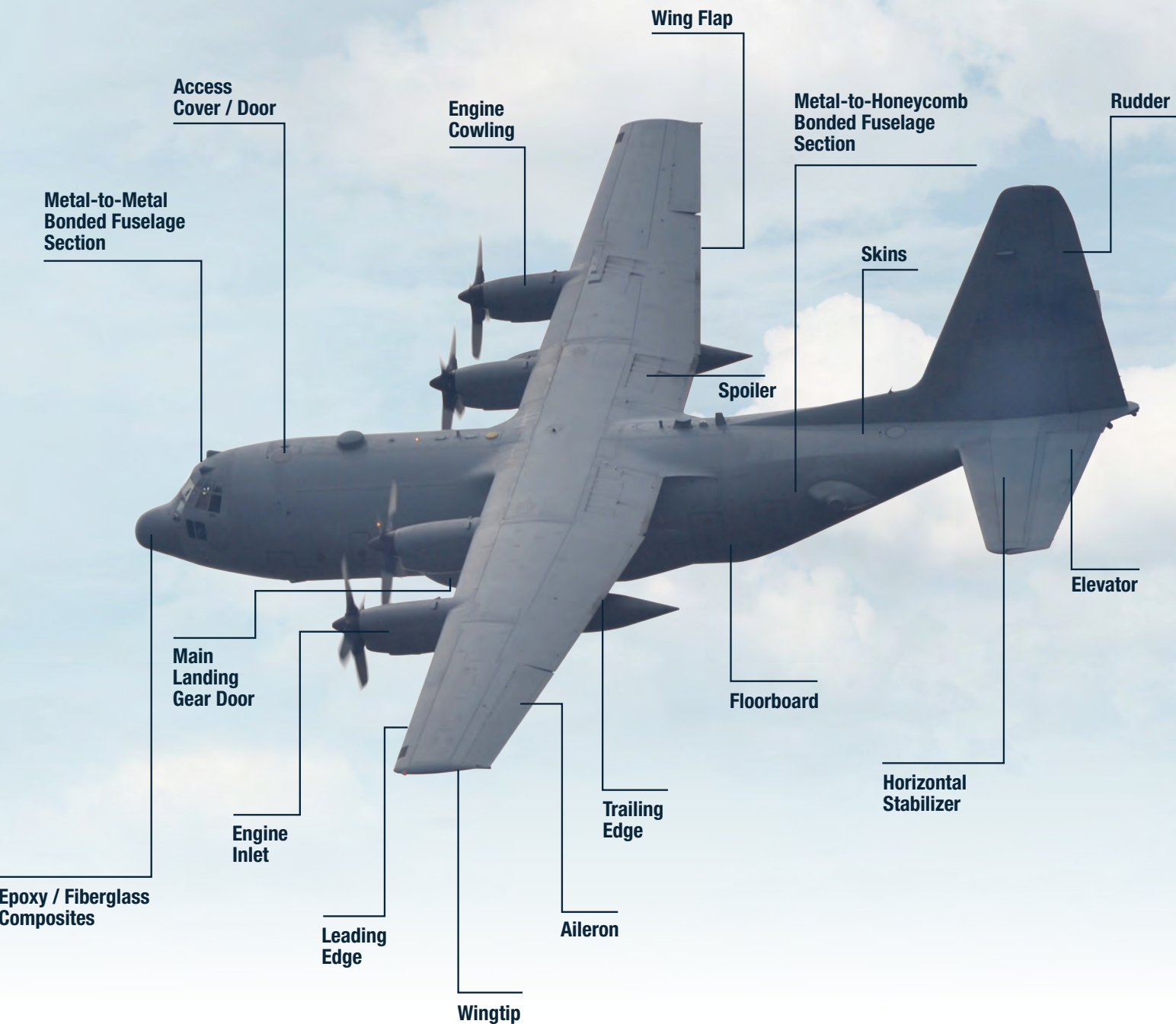
Honeycomb's new product development process plays an integral role in setting the stage for success to deliver the final product.

Engineers, experienced product planners, and senior purchasers develop the strategies and planning necessary to manufacture a final product meeting all customer requirements whether it be for legacy or new platforms.

Honeycomb understands a structured, consistent planning process on the frontend produces repeatable, conforming product on the backend.

Parts Manufactured or Repaired

Aircraft type shown for illustration purposes only.



Bonded Aerostructure Examples



Epoxy-Composite



Metal-to-Honeycomb
Core Bonded



Metal-to-Metal Bonded

Markets We Serve

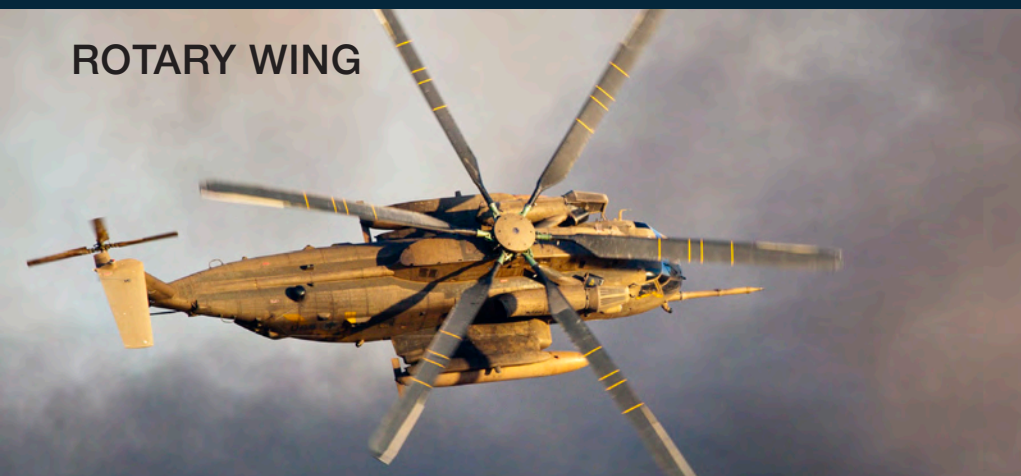
MILITARY



COMMERCIAL



ROTARY WING



Platform Experience

737	C-17	CH-47	F-5
767	C-130	CH-53	F-15
A-10	C-130F	CH-60	F-16
B1-B	C-130 SOF	E-2V	F-18
B-52	C-130J	E-3	KC-135
C-5	C-212	F-4	T-38

CAPABILITIES



ACCREDITED

Chemical Processing

- BAC555
- BAC5514-589/5137
- Boeing D1-4426 DPS11.08
- Bell BPS 4352 Sec 11, Method IV

Composites

- OEM Spec Clean Room
- 10' x 30' Nitrogen Autoclave
- 250-400° F at 100 PSI
- Metal and Composite Bonding

Heat Treating

- AMS 2770
- BAC 5602
- Bell BPS 4139
- Aluminum Alloys 2024 & 7075

Non-Destructive Testing

- Ultrasonic Testing
- Bond Testing
- Digital X-Ray
- Qualified to NAS410

ADDITIONAL CAPABILITIES

Engineering

- Tooling Design
- Process Development
- Part-Specific Planning
- SolidWorks, GeoMagic Design X, CATIA V5

Tooling

- Designed and Built In-House
- Metal and Composite Construction
- Designed Using OEM Part Data and Specs
- Validated with Laser Measurements

Machining

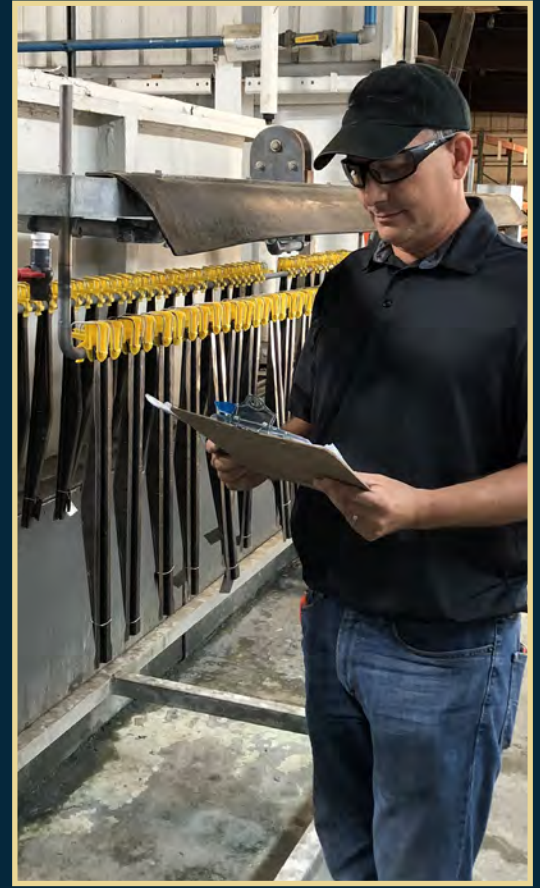
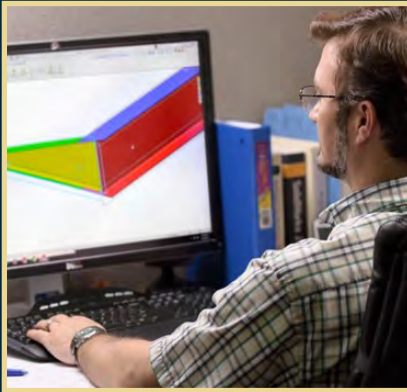
- 3 & 5 Axis CNC Routers
- Mazak VMC
- Multiple Bridgeport NC Mills
- Shaped Core and Tooling Masters

Structural / Mechanical Assembly

- Fixed Wing and Rotary Wing

Why Choose Honeycomb Company of America?

- AS9100 Quality System and 4 Nadcap accreditations
- In-house vertically integrated processes
- SBA-compliant Small Business
- New product development process
- Large facility with room to grow
- State-of-the-art equipment
- Diverse set of capabilities
- Highly skilled workforce and experienced management team
- Over 70 years of continuous business operation



We're Here to Help.

For more information or to request a quote, contact us.

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