

Commercial Drone Manufacturing

Meet the need for more complex, autonomous, and specialized devices

As demand grows for drones to fly further, carry more, and operate beyond visual line of sight (BVLoS), these unmanned aerial vehicles (UAVs) must become more sophisticated, smaller, and autonomous. Jabil delivers complete support across the UAV product lifecycle, with a full suite of capabilities required for modern drones. Our teams have proven expertise and resources in material science, power management, optics and sensing, electromechanical assembly, and precision molding, as well as regulatory support and supply chain management.

ADVANTAGES OF WORKING WITH JABIL



CRITICAL CAPABILITIES

Jabil addresses the complex features and functionality required for advanced, efficient, and reliable drones. Backed by our experience building autonomous solutions for automotive and robotics brands, Jabil continually innovates to meet market demands for more technically complex devices.



INTEGRATION & ASSEMBLY

Jabil has proven success integrating and testing the advanced electromechanical assembly, sensors, communication systems, and operating systems of sophisticated consumer devices and autonomous vehicles.



CAPITAL INVESTMENT

Focus on your core competencies and tap into Jabil's engineers and facilities to manage the complexity involved in producing drones. Jabil negotiates optimal prices and delivery with our network of 38,000+ suppliers, creating opportunities for spend leverage across sourcing and supply chain management.



PROVEN QUALITY

Jabil conducts advanced testing and validation of each module and fully assembled device. We are experienced in helping companies navigate the fine line between commercial and specialized applications that require regulatory oversight, partnering with Jabil's Defense and Aerospace division to integrate compliance and regulatory planning into your development process from day one.



In-Demand Features and Functions

Jabil's proven experience and expertise have the UAV market covered. From materials engineering through test and assembly, Jabil is ready to build the complex features your drones require.



Jabil's end-to-end capabilities power drone innovation today and into the future.

OPTICS & SENSORS

- Interior Cameras
- Exterior Cameras
- Thermal Imaging
- Active Alignment
- 360-Degree Cameras
- SWIR 3D Cameras
- LiDAR
- Radar
- Fused Sensors

QUALITY & SAFETY

- Commercial-Level Testing
- AS 9100 Certifications
- ISO Certifications
- VDA Certifications

MANUFACTURING

- Electronics Manufacturing Services
- High Mix, Low Volume Production
- Build To Print
- Industrialization
- Ruggedization
- Materials Engineering
- Additive Manufacturing
- Prototyping
- Miniaturization
- Precision Molding
- Mechanics
- Battery Charging & Storing

SUPPLY CHAIN SERVICES

- BOM Optimization
- Procurement Intelligence
- Resource Planning
- Orchestration & Analytics
- Transportation & Logistics