

Commercial Drone Manufacturing

Answer the growing market demand 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 be more sophisticated, complex, and autonomous. Jabil makes an ideal partner to drone companies by offering complete design-thru-production support and the full suite of capabilities required for modern drones. Jabil has proven expertise and resources in electro-mechanical systems, power management, optical and sensing functionality, communications, precision assembly, as well as regulatory 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. With decades of experience building electro-mechanical solutions, Jabil continually innovates to meet market demands for more autonomous, technically complex devices, robots, and vehicles.



INTEGRATION & ASSEMBLY

Jabil has proven success integrating and testing the advanced electro-mechanical assembly of sophisticated devices and autonomous vehicles and machines. We have experience integrating complex systems for sensors, communications, operating software, and more.



CAPITAL INVESTMENT

Focus on growing market share and tap into Jabil's engineers and facilities to address the range of functions needed in drones. Jabil negotiates optimal prices and delivery with our network of 36,000+ suppliers and offers significant savings in capital and personnel expenses across many manufacturing specialties.



PROVEN QUALITY

Jabil conducts advanced testing and validation of each module and fully assembled device. We are experienced in helping companies address an emerging market with the support and standards needed for regulated industries, such as AS 9100 certifications.



In-Demand Features and Functions

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



Jabil's portfolio of capabilities matches the manufacturing needs for modern and future drones.

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 (EMS)
- High Mix, Low Volume
- Build To Print
- Industrialization
- Ruggedization
- Materials Engineering
- Additive Manufacturing
- Prototyping
- Miniaturization
- Flexible Electronics
- Mechanics
- Battery Charging & Storing

SUPPLY CHAIN SERVICES

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