



HIGH-LIFT SYSTEMS

DIVERSE SOLUTIONS THAT REDUCE WEIGHT

Commercial and military applications

Collins Aerospace has more than five decades of experience built on a rich aerospace heritage. Our high-lift actuation product range is diverse, and our capability provides robust support for customer requirements.

We offer full or partial, leading and trailing-edge systems for all types of aircraft. These systems can offer significant weight savings through the use of advanced composite transmission shafts and fly-by-wire actuation capability.

Customers can specify bespoke design of their test equipment, with full system integration that draws on our experience in large commercial aircraft.

As one of the world's leading providers of high-lift actuation, we continue to invest in research and development. And we offer unique and experienced experts to meet our customer's toughest challenges.

KEY FEATURES & BENEFITS

- Stick-to-surface capability
- Proven system integration and test capability, including skew detection
- Electric solutions
- Hydraulic solutions delivering 3,000 and 5,000 psi
- Rotary or linear solutions
- Weight reduction



Power drive unit



System torque limiter



Rotary geared actuator



Slat actuator



Ballscrew actuator



Wing tip brake

Over
650
million
flight hours



High-lift system test rig

OTHER ACTUATION SYSTEMS CAPABILITIES



Primary – fixed wing

- Elevator
- Aileron
- Rudder
- Spoiler
- Flaperon



Primary – rotorcraft

- Main rotor actuator
- Tail rotor actuator



THSA/HSTA

- Trimmable horizontal stabilizer actuator



Nacelle actuation

- Thrust reverser actuation system
- Power door opening system



Anti-ice valves

- Butterfly
- In-line poppet
- Pressure regulating
- Engine bleed



Composites

- Transmission shafts
- Fuel pipes
- Fuel and hydraulic isolators
- Tie rods and struts



Utility actuation

- Weapon bay door drive system
- Wing fold/rotate
- Refuel probe actuator
- Canopy actuator



Missile actuation

- Control actuation system
- Thrust vector actuator



Aftermarket

- 24/7/365 customer support

Specifications subject to change without notice.



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