



TRIMMABLE HORIZONTAL STABILIZER ACTUATOR

COST-EFFECTIVE AND TAILOR-MADE

Reliable in the most challenging environments

Collins Aerospace remains at the forefront of the industry by supplying Trimmable Horizontal Stabilizer Actuator (THSA) solutions that are ball screw driven and electronically or hydraulically operated.

We have a vast array of experience providing THSAs across a large portfolio of civil and military aircraft.

In addition to cost-effective and tailor-made solutions, we also provide full integration of THSA systems.

Our products are certifiable to the latest airworthiness standards.

They deliver high performance and ensure reliability for safety in even the most challenging conditions.

KEY FEATURES & BENEFITS

- Hydraulically or electrically operated
- Dual channel controlled
- Fail-safe architecture
- Fully redundant primary and secondary load paths
- SMART actuator digitally interfaces with aircraft FCC
- Enhanced failure monitoring
- Meets latest certification requirements

Advanced THSA technology

Through an extensive heritage and strategic investment in research and development projects, we ensure that our THSA technology stays advanced. Such projects include state-of-the-art electro-mechanical THSAs, in a complete range of hydraulic THSAs – from 3,000 psi to 5,000 psi mechanically fly-by-wire driven.

Optimize your aircraft system architecture with our hydraulic fly-by-wire or electro mechanical actuator solutions.

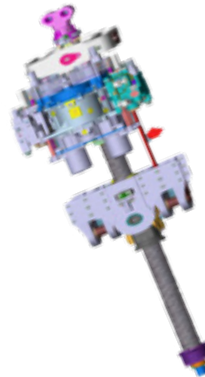
Over
60 million
 flight hours of
 THSA experience



A320 THSA



A330 THSA



777-X THSA



MC-21 THSA

OTHER ACTUATION SYSTEMS CAPABILITIES



- Primary – fixed wing
- Elevator
 - Aileron
 - Rudder
 - Spoiler
 - Flaperon



- Primary – rotorcraft
- Main rotor actuator
 - Tail rotor actuator



- High lift
- Power drive unit
 - Wing tip brake
 - Flap and slat actuators
 - Transmission shafts
 - Gearbox



- 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.



COLLINS AEROSPACE

Stafford Road, Fordhouses
 Wolverhampton, West Midlands
 WV10 7EH, United Kingdom
 +44 (0) 1902 624644
 ActuationEnquiries@collins.com
 collinsaerospace.com