

NOISE REDUCTION FOR BUSINESS AVIATION

BUSINESS AIRCRAFT ARE TYPICALLY COMFORTABLE, BUT NOT ALWAYS QUIET.

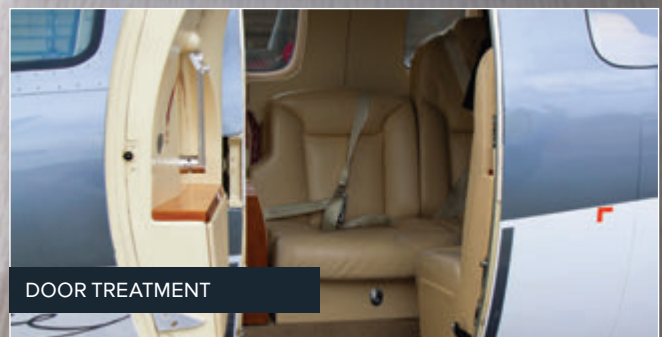
The hums, whines, and various sounds of air flow, engines, pumps, fresh air circulation, and any number of components create noise and vibration that bring discomfort and fatigue to passengers and crew. When flight experience is a high priority, DTI is there. DTI's world-renowned noise control solutions are trusted by major aviation manufacturers to enhance comfort for passengers and crew.



NOISE + VIBRATION CONTROL SOLUTIONS

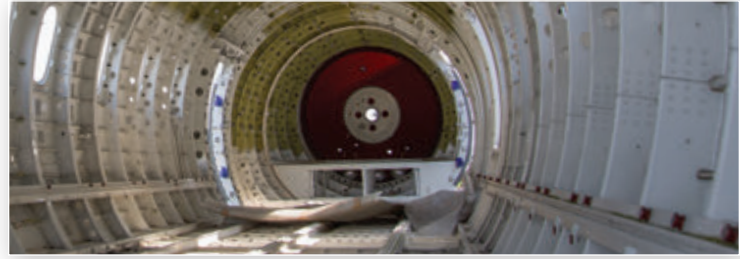
QUIETER CABIN. MORE COMFORT.

Whether you're designing new aircraft or specializing in retrofits, DTI's lightweight noise control products ensure quiet cabins. Our solutions are optimized for a variety of aircraft substructures, resulting in the best noise control for the least added weight, including:



FUSELAGE SKIN DAMPING

DTI's Constrained Layer Damping Systems, including our premier Stand-Off Damping Systems, are proven to aid in attenuation of vibrations on the fuselage skin. Our in-house formulated viscoelastic damping materials, coupled with our advanced computer modeling capabilities, allow us to quickly optimize the solutions based on weight and performance.



NOISE REDUCTION FOR TURBO-PROP AIRCRAFT

To counteract the forced-vibration and radiated noise produced by the turbo-prop blades, DTI has designed Tuned Vibration Absorber (TVA) arrays that are pre-tuned, lightweight, and cost effective. When used in tandem with our Stand-Off Damping System, a significant reduction of cabin sound pressure level is achieved.



TRIM PANEL AND FLOOR PANEL ATTENUATION

Lightweight trim panels are typically the last line of defense against excessive interior cabin noise, and DTI offers a range of products to help. DTI utilizes optimized passive damping systems to mitigate structure-borne radiated noise and decoupled mass barriers to improve transmission loss performance.



HIGH PERFORMING SOLUTIONS

We don't create a one-size-fits-all fix.

DTI provides a comprehensive solution offering superior noise reduction in your aircraft. Our offerings start with world-class engineering services customized, designed, and manufactured for your specific aircraft and vibration or noise issue.



WORLD CLASS DTI SUPPORT

DTI supports customers with our legendary customer service, on-time delivery and quality commitment.

THE DTI DIFFERENCE IS CLEAR



LIGHTEST WEIGHT SOLUTIONS IN THE INDUSTRY



EASY TO INSTALL



DURABLE TECHNOLOGY NO MAINTENANCE OR SERVICE COSTS



COST-EFFECTIVE OPTIMIZED SOLUTIONS



ZERO OPERATING COSTS



MINIMAL SPACE REQUIREMENTS

Our solutions deliver levels of quiet that will impress passengers every time.

CONTACT US

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