S.S. White Technologies, Inc.

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S.S. White Flexible Rotary Shafts Thrust Reverser Actuation System And Rudder Pedal Adjustment System On Boeing 787

Piscataway, New Jersey --- The world's next generation commercial aircraft, the Boeing 787 incorporates S.S. White flexible rotary shafts to help power the aircraft's Thrust Reverser Actuation System (TRAS) and flexible rotary shafts to support rudder pedal adjustment. The TRAS opens deflectors along the rear side of the aircraft's engine nacelles to slow the aircraft down after landing to insure a safe arrival.

S.S. White provides a set of four flexible rotary shafts per engine that are activated to synchronize the actuation system that opens both halves of the thrust reverser panels upon landing. These same flexible shafts also help lock the TRAS system to prevent it from inadvertently engaging during flight.

In addition, all aerospace flexible shaft products are designed to one of the industry's highest performance criteria by utilizing a unique computer modeling program developed by S.S. White called PERFLEXION. This program allows the design engineers to fully model the behavioral characteristics of the wire bundles within the shaft core and arrive at an optimum product that provides maximum bending flexibility and torsional strength while allowing minimal torsional deflection with up to a 30 percent improvement above accepted industry standards.

(more)

S.S. White Technologies is a world leader in the design, engineering, manufacture and testing of a wide variety of flexible shaft products for the aerospace, medical, automotive and industrial markets around the globe. Almost all of the commercial and military aircraft platforms in the air today (except Russian) and more than one-half of US manufactured cars rely on S.S. White Technologies flexible shaft products. The company currently has manufacturing facilities in the United States, the United Kingdom and India.

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