



DSTI's long-life rotary union designs provide reliable performance for the most demanding environments.

Intelligent designs deliver increased efficiency and reliability. DSTI offers innovative rotary union designs specialized for wind, solar, biofuel, hydropower & nuclear energy.

With worldwide growth in alternative energy, DSTI understands the challenges faced by next-generation energy equipment designers. DSTI offers specialized solutions to fit the unique requirements of each application.

APPLICATIONS

- + High temperature swivels for concentrated solar power
- + Rotating joints for automated applications in nuclear power
- + Hydraulic rotary unions for wind turbine blade pitch control
- + Rotary joints for hydroelectric (Kaplan) turbine pitch systems

» High pressure & multiple passage designs

» Integrated mounting & electrical slip ring options

+ 2 PASSAGES + 50 RPM + 5,100 PSI
+ MEDIA: OIL + STAINLESS STEEL



Specialized Example 1 - designed to provide hydraulic circuit for blade pitch control. Features include corrosion resistant materials for potential use in offshore environments and hydrodynamic seals with minimal oil bypass for limiting stress on the hydraulic system.

+ SINGLE PASSAGE + < 1 RPM + 3,625 PSI
+ MEDIA: STEAM / HEAT TRANSFER FLUID + STAINLESS STEEL



Specialized Example 2 - designed to provide rotational movement to collector piping in a parabolic trough concentrated solar power (CSP) field. Features include a high temperature packing sealing system (1,000° F), internal corrosion-resistant bearings, and a design for direct welding to the piping system.

+ 2 PASSAGES + 325 RPM + 700 PSI
+ MEDIA: OIL + CARBON STEEL



Specialized Example 3 - designed for a hydroelectric (Kaplan) turbine application. Features include a specialized design for direct integration into the turbine governor and an electrical pin connector slip ring for electronic feedback data.

» See more specialized examples at www.dsti.com

DSTI offers a flexible and efficient mix of engineering expertise and manufacturing technology. Our full service capabilities include:



[Engineering & Product Design]



[Simulation & Design Verification]



[Advanced Manufacturing]



[Assembly & Testing]



[Inspection & Quality Management]



[Value-Added Products & Services]

[COMPANY]

Dynamic Sealing Technologies (DSTI) specializes in the design, manufacture & integration of rotary unions & rotating joints. We offer a full line of standard products for a wide variety of applications, as well as complete specialized rotating union design & build services.

[EXPERTISE]

DSTI's collective experience in a wide range of industries drives the solutions we provide and assures our customer's projects achieve the highest in performance and reliability.

[INDUSTRIES SERVED]

- + Aerospace
- + Alternative Energy
- + Construction & Agriculture
- + Defense
- + Factory Automation
- + Food & Beverage
- + Machine Tool
- + Marine & Offshore
- + Medical
- + Metal Production
- + Oil & Gas
- + Plastic Molding
- + Semiconductor

See industry examples at www.dsti.com

