



Improving productivity, DSTI rotary unions integrate efficiency-driven designs decreasing operating and maintenance costs.

DSTI fluid rotary union designs utilize the latest in high performance seal materials to improve efficiency and durability under the toughest operating conditions.

Intelligent designs deliver high efficiency and low operational costs. DSTI rotary unions utilize exclusive seal technology developed for rotary sealing applications to provide superior service life.

Applications

- + Rotary unions for coiler expanding mandrel applications
- + Multi-passage rotary unions for ladle turrets
- + Rotary unions for winding machine pneumatic grippers
- + Direct OEM replacement rotary unions

Multiple passage - high speed designs

Integrated electrical slip ring options

+ 2 PASSAGES + 600 RPM + 5,800 PSI
+ MEDIA: GREASE + MATERIAL: CARBON / ALLOY STEEL



Specialized Example 1 - designed to supply grease to a hot rolling coiler mandrel application. Features include a close-clearance, non-contacting seal designed for high speed and high pressure service.

+ 2 PASSAGES + 200 RPM + 1,620 PSI
+ MEDIA: OIL + MATERIAL: CARBON / ALLOY STEEL



Specialized Example 2 - designed for an uncoiler / recoiler expanding mandrel application. Design features a complete assembly solution integrating a rotary union, rotating cylinder (for actuating the expanding mandrel), and position sensor.

+ 10 PASSAGES + 4 RPM + 2,000 PSI
+ MEDIA: COOLANT + MATERIAL: CARBON STEEL



Specialized Example 3 - designed for a ladle turret application. Features a customer specified design for integration into a rotary table and high flow volume.

About Us



DSTI specializes in the design and manufacturing of application-specific fluid solutions worldwide.

Between our proven technology and long-term experience working with highly complex applications, we aim to achieve our customers' project goals by reducing costs, increasing efficiency, and decreasing risks.

Our core business segments are fluid rotary unions, electrical slip rings, and value-added products and services providing a single-source solution from design and manufacturing through to testing and qualification - all under one roof.

We conduct our operations to ensure our people work together and take responsibility for the health and safety of ourselves and others, to minimize our impact on the environment and to ensure the best quality in products and services.

IN-HOUSE CAPABILITIES & SERVICES



Engineering & Simulation



Project Management



CNC Precision Machining



Assembly, Testing & Qualification



Inspection & Quality Management



Welding & Fabrication

See project examples at www.dsti.com/industries

