

Factory Automation



Optimized for production environments, DSTI rotary unions enhance system performance and decrease system downtime.

DSTI's experienced engineering team can design a cost-efficient and specialized solution to integrate into your automated assembly systems.

From design to reality, DSTI has the knowledge and experience to solve your industrial automation challenges providing rotary union design and build services to fit the individual needs of each application.

Applications

- + High pressure rotary unions for robotic arm actuators
- + Integrated rotary unions for material handling systems
- + Rotary unions for developmental testing applications

Compact & lightweight designs

Integrated electrical slip ring options

+ 4 PASSAGES + INDEXING + 100 PSI
+ MEDIA: GAS, WATER + MATERIAL: ALUMINUM



Specialized Example 1 - designed for a rotary dial indexing table. Design integrates directly into customer equipment with an electrical slip ring configuration to provide both water and electrical service.

+ 8 PASSAGES + 150 RPM + 2,500 PSI
+ MEDIA: OIL + MATERIAL: CARBON/ALLOY STEEL



Specialized Example 2 - designed to supply grease and air service for a crusher/pulverizer application. Features include a customer-specified flange mount for integration into equipment and a design that allows for maintenance during operations with no unscheduled down time.

+ 2 PASSAGES + 20 RPM + 28 HG
+ MEDIA: GAS + MATERIAL: CARBON / ALLOY STEEL



Specialized Example 3 - designed for grinding equipment used in an automotive component manufacturing application. Features include a specialized seal and plating combination for abrasive glass slurry media transfer and a long-life, shaft-mount design exceeding the performance levels of the existing rotary union.

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

