

Heavy Equipment



Providing solutions for demanding environments, DSTI rotary unions deliver a perfect blend of precision & durability.

High flow - multiple passage options

Tough, load-bearing design integration

Intelligent design and latest generation manufacturing technology allow DSTI to produce the most dependable rotary unions in the industry. DSTI offers simple yet robust solutions designed by engineers focused strictly on developing & manufacturing fluid rotary unions.

DSTI rotary unions operate under demanding conditions including high pressure, dirty environments, special fluids, extreme temperature variations and long duty cycles.

Applications

- + Rugged designs for heavy machinery applications
- + Designs for tunnel boring equipment
- + Specialized designs for high shock load service
- + Designs featuring electrical slip ring integration

+ 5 PASSAGES + 8 RPM + 2,500 PSI
+ MEDIA: OIL, GAS + CARBON STEEL



Specialized Example 1 - designed for a tunnel boring equipment application. Features a specialized rugged design for handling heavy loads as customer equipment navigates through harsh terrain.

+ 2 PASSAGES + 60 RPM + 1,450 PSI
+ MEDIA: OIL + CARBON STEEL



Specialized Example 2 - designed for a large-scale mining equipment application. Features a customer specified modular design for preventing usage wear and integration into a gear assembly.

+ 6 PASSAGES + 50 RPM + 900 PSI
+ MEDIA: OIL + CARBON STEEL



Specialized Example 3 - designed as a direct OEM replacement for a component on a heavy machine application. Features include a customer-specified design that offers increased service life and cost reduction.

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

