



Designed for dependability, DSTI rotary unions are rigorously tested to assure efficiency in all operating conditions.

The nature of medical equipment and devices demand accuracy and reliability. DSTI delivers by designing and engineering solutions that offer high precision and dependability.

With the latest in engineering technology, product testing innovation and advanced materials, DSTI can provide specialized rotary union solutions from initial concepts to the final product introduction .

### Applications

- + Designs for pneumatic gripper applications
- + High speed designs for centrifuge applications
- + Designs optimized for cleanroom environments
- + Large thru bore designs for rotating medical imaging devices
- + Integrated designs for automated medical assembly

Optimized for cleanroom environments

Integrated electrical slip ring options

+ 2 PASSAGES + 25 RPM + 150 PSI  
 + MEDIA: CHEMICAL + STAINLESS STEEL



**Specialized Example 1** - designed for solid-liquid separation equipment for a pharmaceutical application. Features include specialized mechanical seals for -65° C, all stainless steel construction, and low temperature bearing grease.

+ SINGLE PASSAGE + 6 RPM + 65 PSI  
 + MEDIA: GAS + ALLOY STEEL



**Specialized Example 2** - designed for a rotating medical imaging device application. Features integrated bearings and a specialized 36" thru bore.

+ 8 PASSAGES + 260 RPM + 3,000 PSI  
 + MEDIA: OIL, GAS, WATER + CARBON, STAINLESS, ALUMINUM



**Specialized Example 3** - designed for a medical centrifuge application for a cleanroom environment. Features integrated high speed external fins for water cooling and crosstalk protection.

# 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](http://www.dsti.com/industries)

