



Tried and tested, DSTI rotary unions keep up with the fast pace of today's manufacturing requirements.

DSTI offers specialized, single & multiple-passage designs that feature crosstalk protection & are suitable for a variety of fluid types. No matter how complex, DSTI makes your concept become reality.

Experience is key to success, and DSTI has a reputation for providing high quality, dependable rotary unions for a wide range of machine tool applications.

Applications

- + High speed spindle rotary unions for oil & coolant transfer
- + 5000+ PSI workholding rotary unions
- + Close clearance rotary unions for lathe chuck applications

Multiple-passage designs with crosstalk protection

Integrated electrical slip ring options

+ 13 PASSAGES + 10 RPM + 2,000 PSI
+ MEDIA: GAS, OIL, WATER + CARBON STEEL



Specialized Example 1 - designed for a large-scale machining center. Features include an integrated central drain system for internal crosstalk protection and specialized profile cut outs in the bore to allow the electrical slip ring wires to pass through.

+ 3 PASSAGES + 20 RPM + 5,000 PSI
+ MEDIA: OIL + ALUMINUM/ CARBON STEEL



Specialized Example 2 - designed for an indexing table application. Features include a precision fit design for replacing an internal bearing carrier. Designed to convert the table for use with hydraulic clamping for workholding.

+ 9 PASSAGES + 50 RPM + 145 PSI
+ MEDIA: GAS, OIL, WATER + CARBON STEEL



Specialized Example 3 - designed for a rotary table application for a large machining center. Features a customer-specified design for supplying various fluids and gasses to the rotary table.

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

