



DSTI rotary unions deliver the consistency, reliability and durability needed for critical military applications.

DSTI's experienced engineering team designs specialized rotary unions that are developed, tested & certified for military use. DSTI understands that military equipment manufacturers demand the ultimate in product design, verification & testing.

Our production technology, strict quality control systems, and research and development capabilities allow DSTI to engineer specialized fluid transfer solutions that meet the demands of present and future requirements.

Applications

- + Military Vehicle Hydraulic Systems
- + Radar Antenna Cooling Systems
- + Defense Manufacturing Applications
- + Military Training & Simulation Equipment

Testing & certification
to military standards

Value-added services
& sub assemblies

+ 4 PASSAGES + 3.7" THRU BORE
+ 19 RPM + 75 PSI + MEDIA: WATER/GLYCOL
+ MATERIAL: ALUMINIUM



Specialized Example 1 - designed for a GCV vehicle for radar cooling. Features include precision slimline bearings, a compact envelope and specific flow rates for cooling media. Unit designed for -51°f to +140°f service.

+ 3 PASSAGES + 10 RPM + 4,500 PSI
+ MEDIA: GAS, OIL + MATERIAL: CARBON STEEL



Specialized Example 2 - designed for a military vehicle hydraulic system. Features include a rugged, specialized design for a high vibration environment and a specialized mounting configuration for direct integration into customer equipment.

+ 2 PASSAGES + 10.7" THRU BORE
+ 17 RPM + 80 PSI + MEDIA: WATER/GLYCOL
+ MATERIAL: ALUMINIUM



Specialized Example 3 - designed to cool electronics in a military vehicle turret. Features include a lightweight design, integrated electrical slip ring and a wide temperature range to accommodate the defense application requirements.

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

