

# Radar Cooling Systems



DSTI's proven, reliable and robust cooling solution that meets the thermal demands of modern radars.

Reduce space, weight, power and cooling demands with DSTI's reliable and cost-effective fluid rotary joints for military radar cooling systems.

DSTI's purpose-built fluid rotary joints for mission-critical radar applications preserve maximum equipment service life and provide complete lifetime cost reductions.

Engineered for sea, land, air and space based defense and surveillance radar systems, DSTI's rotary joints provide reliable, cost-effective and proven technology that meets the challenges of modern radars such as active phased-array radars, active electronically scanned array (AESA) radars and other radar cooling requirements / systems.

## DID YOU KNOW?

DSTI Exports Fluid Swivel Products To Over 50 Countries?

Learn more at [www.dsti.com](http://www.dsti.com)

- + Customized Working Envelop To Accommodate Limited Space Designs
- + Designs To Meet Flow, Pressure, Speed & Temperature Requirements
- + Long Life, Dependable Sealing Systems Utilizing Mechanical Face Sealing Technology
- + Reduced Torque Design
- + Reliable Isolation Between Flow Passages
- + Wide Range Of Material & Plating Options
- + High Flow Designs With Minimal Pressure Drop
- + Custom Electrical Slip Rings Integration Per Requirements
- + FEA / CFD Analysis Performed To Verify Design Capabilities Including Environmental Conditions (Shock & Vibration), Pressure & Temperature Drops
- + Factory Acceptance Testing Reports Sent With Each Unit
- + Operation / Life Testing Tailored To Meet Project / Customer 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](http://www.dsti.com/industries)

