

FLUID DELIVERY SYSTEMS

EARLY EXPERT COLLABORATION IN FLUID DELIVERY SYSTEM DESIGN, ENABLING MANUFACTURABILITY AND COST OPTIMIZATION

WHY UNISON - ONE OPTIMIZED SOLUTION

Unison, a GE wholly owned subsidiary, has vertical integration for design, prototype, test and production allows for collaborative development of our product. Unison's broad range of products, either design to spec or design assist, allow for the seamless integration of both the mechanical and electrical components of the engine build up system.

Unison's integrated manufacturing solutions provide unparalleled tube and duct, manifold and flexible joints design. With over 100,000 systems installed, our proven fluid delivery systems utilize advanced materials and design techniques to reduce material costs and improve harsh environment performance, while improving overall engine efficiency.



QUICK FACTS

- Unison is the leading global supplier of complex electrical & mechanical systems and components for gas turbine engines
- Every 2 seconds, an aircraft with Unison technology takes off
- Unison is a global company, employing more than 2,000 team members
- Unison has 5 major manufacturing locations as well as engineering centers and FAA-certified repair stations globally

UNISON'S OEM CAPABILITIES

OUR DESIGN ASSIST PROGRAM - ENHANCING OUR BUILD TO PRINT CAPABILITIES

Early customer collaboration across multi-functional teams to ensure further optimization of product design.

Our integrated design and manufacturing process can:

- Reduce lead time
- Reduce costs
- Reduce risk of quality escapes
- Facilitate collaborative design iterations

BUILD TO SPEC - LEVERAGING DECADES OF DESIGN EXPERTISE

Our dedicated team of expert engineers collaborate and design components to our clients' unique specifications, optimizing the manufacturing process at every level.

We offer a wide range of fluid delivery systems.

Our OEM capabilities include:

- Complete system design and integration
- Vertically integrated manufacturing processes
- Bellows and flex joint design and manufacturing
- Insulation design
- Full qualification testing

COMPLETE SYSTEMS

	Stainless Steel	Inconel	Titanium
ECS, Anti Ice, Bleed Air, Starter Air, Fuel Systems, Hydraulic, Fire detection loops	●	●	●
Fuel Manifolds, Air Manifolds	●	●	○
Small Diameter tubing	●	●	●

COMPONENTS

Flex Joints	●	●	○
Castings	●	●	○
Brackets, fittings, loose hardware	●	●	●
Check valves	●	●	●

Fire seal integrations

● Core offering ● Capability ○ Not Currently



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WHY UNISON?

As a global leader in aviation performance solutions, we have the products and experience to solve your toughest aviation problems.

To learn more our team is ready to help! Contact us for additional information:



Contact.Us@UnisonIndustries.com



Visit us at www.UnisonIndustries.com



Call your Unison sales representative