

# POWER GENERATION

LEVERAGE DECADES OF EXPERIENCE AS A PREMIER PMG SUPPLIER WITH MILLIONS OF HOURS OF PROVEN FIELD EXPERIENCE

## UNPARALLELED RELIABILITY

Unison, a GE wholly owned subsidiary, has scalable power solutions designed and built to satisfy any application, in numerous industries, and in the most hostile environments. From commercial aircraft and cruise missile ignition to ground-based micro-turbine electrical generators and oil wells, our Permanent Magnet Generators (PMGs) have proven extremely effective.

## LEGACY IN POWER GENERATION

Our highly reliable, extremely durable PMG solutions have proven effective for a variety of applications over a wide range of markets in the harshest environments. Unison is a world leading supplier of PMGs for the aerospace industry and is backed by years of innovative product development and superior customer service. Unison combines engineering expertise and a commitment to deliver custom solutions, designed and built to match any application.



Scalable output solutions for your power needs.

## KEY BENEFITS

- Highly reliable in today's harsh environments
- Low maintenance
- Highly efficient, no rotating windings or rectifiers
- Diverse thermal management solutions



# APPLICATIONS

## UNPARALLELED RELIABILITY

Unison's PMGs are the most reliable solution in the industry. We are a certified AS9100 supplier, providing a complete engineering staff, world-class vertically integrated manufacturing facilities, and a full-service product support. From prototype to production, our complete design, analysis, and manufacturing capabilities along with using the latest state-of-the-art tools, we are able to accommodate a wide variety of design features, providing the most reliable solution for whatever your application may require. We continue to invest in our Permanent Magnet technology, to ensure we remain the best PMG manufacturer in the industry, and with Unison's PMGs on nearly every commercial and military aircraft in service today, we have the pedigree to prove it.

## FULL-SERVICE SOLUTIONS

Unison offers services over the life of the program to ensure our customers get the most out of our PMGs. As the OEM, Unison has the best understanding of the methods needed to ensure product quality and reliability are maintained throughout the entire life of the product. Every part overhauled in our service center undergoes a rigorous set of criteria to ensure they maintain the highest level of reliability. If your product is at the end of its life, we can ensure a new part replacement is supplied as quickly as possible. Our customers require dependability and we pride ourselves on our commitment to turning around any repair or overhaul in time.

## PM POWER MACHINES

Where high performance and reliability is a top priority, Unison's Permanent Magnet (PM) Power products are designed and built to deliver world class solutions.

- Best in class power density (10+ KW/kg) and efficiency (> 90%)
- Scalable AC or DC output (28-600+ V)
- High temperature (> 250°C)
- Scalable power (10W-250kW) and speed (3,600-70,000+ RPM)

## POWER REGULATION, CONDITIONING & CONTROL

Unison can enhance system performance by developing electronics along with its machines to provide the best power quality and machine control, while optimizing size and weight.

- Health monitoring, diagnostics and system protection
- Legacy aircraft and engine systems
- High temperature operation



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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:



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Visit us at [www.UnisonIndustries.com](http://www.UnisonIndustries.com)



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