



A CASE STUDY

THE POWER OF AS9100 CERTIFICATION



Modernizing for Success: How AS9100 Certification Transformed Aerospace Manufacturing and Quality Standards

Client: An OEM supplier for power generation and distribution, motion control, RF amplifiers, data acquisition, and cockpit instruments primarily for the aerospace industry.

Project Overview:

Our client has been manufacturing magnetic components for critical aerospace applications for years. Their products were grandfathered into existing systems from companies without aerospace certification. However, as the industry has moved to a point where AS9100 certification is now required, the urgency to upgrade has become critical. Both existing programs and new projects within the modern aerospace industry were now at risk. To stay competitive and future-proof its operations, this company needed to transition to a fully AS9100-certified manufacturing environment.

Allstar's Approach:

Allstar Magnetics partnered with our client to modernize their production and certification processes. By leveraging our deep expertise in aerospace compliance and precision manufacturing, we guided them through the transition from standard certification to

AS9100 compliance. Over 50 unique parts underwent a complete NPI approval process within a compressed timeframe, ensuring no interruptions to their existing commitments and deliveries. This transformation not only improved their operational standards but also strengthened their position as a competitor in the aerospace market.

Key aspects of the project included:

1. Comprehensive Product Redesign:

Developed drawing packages inclusive of BOM/Spec for over 50 unique products to AS9100 certification standards.

2. Certification Transition:

Migrated production from a legacy framework to a fully compliant AS9100-certified environment.

3. Seamless Manufacturing & Distribution:

Ensured all products manufactured under AS9100 compliance could be seamlessly integrated into aerospace supply chains.

4. End-to-end Support:

Provided engineering, prototyping, and production services with the highest level of certification.



Results:

By partnering with Allstar Magnetics, the company successfully transitioned to an AS9100-certified operation. This upgrade expanded their market opportunities, allowing them to bid on higher-value aerospace projects that require strict compliance. It also facilitated better communication of compliance with existing customers. Their newly modernized production process guarantees consistency, quality, and reliability—key factors in maintaining competitiveness in the aerospace industry.

Conclusion:

Today, every product manufactured by this division is produced in an AS-certified environment, giving its customers confidence in the quality and compliance of their end-use components. For aerospace manufacturers looking to elevate their certification and improve competitiveness, Allstar Magnetics offers the expertise and support necessary to achieve world-class standards.



Comprehensive magnetic solutions, all in one place.

