Hogge Precision Announces AS9100 Certified Manufacturing Solutions

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Hogge Precision, a precision machining company serving the aerospace and defense sectors, delivers AS9100-certified manufacturing solutions that meet the rigorous quality and traceability standards of these industries. The company operates under the AS9100 quality management system framework, maintaining the documentation, process controls, and risk management protocols that aerospace and defense customers require from their supply chain partners.

AS9100 certification represents one of the most demanding quality management standards in manufacturing. Built upon the ISO 9001 foundation, AS9100 adds aerospace-specific requirements, including configuration management, product safety awareness, counterfeit-part prevention, and enhanced traceability at every stage of production. For original equipment manufacturers and their supply chains, working with an AS9100 certified machine shop facility provides assurance that parts are produced under a controlled, auditable system that aligns with the expectations of regulatory bodies and prime contractors alike.

"Our commitment to maintaining AS9100 certification reflects the level of quality and accountability our customers depend on," said Danny Hogge Jr, President of Hogge Precision. "Every part we produce goes

through documented processes that meet aerospace-grade quality requirements, and that discipline carries through to everything we do on our shop floor."

Hogge Precision's AS9100 machine shop capabilities encompass a range of CNC machining services, including multi-axis milling and turning operations suited for complex aerospace components. The company works with materials commonly specified for aerospace applications, such as titanium alloys, stainless steel, and aluminum, each of which requires tailored tooling strategies and machining parameters to meet the dimensional tolerances and surface finishes specified in aerospace drawings.

The AS9100 standard places significant emphasis on risk-based thinking and process accountability. Under this framework, Hogge Precision maintains documented procedures for first article inspection, statistical process control, material traceability, and nonconformance management. These protocols ensure that every component can be traced back to its raw material source and that any deviation from specification is identified, documented, and resolved through formal corrective action processes.

Traceability requirements in aerospace manufacturing extend well beyond what is typical in commercial machining. Each lot of raw material must carry mill certifications that verify chemical composition and mechanical properties. In-process inspections are documented at defined intervals, and final inspection records are retained in accordance with customer and regulatory retention schedules. This level of documentation provides the audit trail that aerospace customers need when qualifying parts for flight-critical and safety-critical applications.

"Aerospace manufacturing is not just about holding tight tolerances on the machine," said Hogge Jr. "It is about proving that every step in the process was controlled, verified, and documented. That is what AS9100 requires, and that is how we operate every day."

The AS9100 quality management system also incorporates requirements for supplier management, ensuring that materials and outside services used in production meet defined quality criteria. Hogge Precision evaluates and monitors its supply chain partners to verify that incoming materials and processes meet the standards required for end-use applications. This supply chain oversight is critical to maintaining certification and consistently delivering parts that meet customer specifications.

Configuration management is another key element of the AS9100 framework. In aerospace manufacturing, engineering changes must be tracked, approved, and implemented through controlled processes to prevent unauthorized deviations. Hogge Precision maintains systems to manage revision control on customer drawings and specifications, ensuring that production always reflects the current approved configuration.

The aerospace and defense manufacturing sector continues to require suppliers that can demonstrate

compliance with internationally recognized quality standards. AS9100 certification is frequently listed as a mandatory qualification in supplier selection criteria issued by prime contractors and tier-one aerospace companies. Maintaining this certification requires ongoing internal audits, management reviews, and periodic surveillance audits conducted by accredited third-party registrars.

Hogge Precision serves customers across multiple aerospace and defense applications, providing precision-machined components that meet the exacting standards these industries demand. The company combines its machining capabilities with the process discipline required by AS9100 to deliver parts that satisfy both dimensional and quality system requirements.

For more information about Hogge Precision and its AS9100-certified machining capabilities, visit the company website.

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Hogge Precision Parts Co, Inc.

Hogge Precision Parts Co., Inc. is a premier contract manufacturer delivering high-quality products at competitive prices using advanced CNC and screw machining equipment.

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