Hogge Precision Delivers Lightweight, High?Precision Aluminum Manifolds for Mobile & Industrial Equipment

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Hogge Precision Parts Co., Inc., a South Carolina-based manufacturer with more than 35 years of experience in high-performance machining, has announced a significant expansion of its aluminum manifold machining services. The company?s in-house capabilities now deliver increased precision, lighter-weight components, and faster turnaround for hydraulic and pneumatic manifold blocks used in both mobile and industrial equipment.

With a facility certified to ISO 9001:2015 and AS9100 standards and a deeply experienced workforce, Hogge Precision has emerged as a go-to resource for OEMs seeking high-tolerance aluminum manifolds that integrate seamlessly into advanced fluid power systems. The company?s capabilities cover CNC machining, deburring, pressure testing, and in-line assembly?all from a single U.S.-based location, reducing logistics complexities and improving supply chain reliability.

Aluminum manifold machining services at Hogge Precision are built on the company?s investment in high-speed, multi-axis CNC machining centers specifically optimized for high-speed machining. These allow for the production of compact, corrosion-resistant manifolds with tight dimensional tolerances and intricate

internal flow paths. This combination of mechanical precision and design flexibility is key for OEMs aiming to optimize the efficiency and reliability of their hydraulic or pneumatic circuits.

Hogge Precision has positioned itself to support a broad range of industries, including mobile hydraulics, energy, medical, aerospace, defense, and food processing. The company's aluminum manifold blocks often serve as key interface components, distributing flow and pressure while minimizing system weight and footprint. With in-house engineering and CAD/CAM programming, the company is equipped to handle both build-to-print projects and collaborative design partnerships.

Unlike many contract manufacturers that rely on external partners for finishing or assembly, Hogge Precision maintains complete control of the entire process. This includes post-machining operations such as component cleaning, visual inspection, and pressure testing to detect leaks or material failures. These quality control measures are critical in high-demand applications where failure is not an option.

?Precision, consistency, and responsiveness are central to how we serve our customers,? said Danny Hogge, President of Hogge Precision Parts Co., Inc. ?Whether a client needs a single prototype or a full production run of aluminum manifolds, we deliver with the same level of care and expertise. Our aluminum manifold machining services are a cornerstone of what we offer and a reflection of the trust our partners place in us.?

The company emphasizes lightweight design, excellent machinability, and corrosion resistance as key advantages of using aluminum for manifold construction. Hogge Precision?s familiarity with common aluminum grades, such as 2011, 6061-T6, and 7075, allows for optimal material selection based on performance, cost, and environmental conditions. By tailoring each project to the end-use case, Hogge Precision provides added value through design insight and process refinement.

Customers benefit from the company?s flexible production model, which accommodates low- to medium-volume runs with short lead times. Whether supporting a startup in the clean energy sector or a legacy equipment manufacturer modernizing its hydraulic control systems, Hogge Precision adapts quickly to unique design challenges and evolving production needs.

Additionally, Hogge Precision?s machining workflow is tightly integrated with its quality assurance protocols. Every aluminum manifold block undergoes dimensional inspection, and many are pressure-tested under customer-specified conditions. This approach ensures consistency across batches and reinforces the company?s reputation for reliability in mission-critical environments.

Hogge Precision?s location in Darlington County, South Carolina, offers logistical advantages for customers throughout the eastern U.S. and beyond. With an emphasis on domestic manufacturing and supply chain

resilience, many OEMs have turned to Hogge Precision as a stable, responsive partner for custom-machined components.

Beyond its technical capabilities, Hogge Precision is known for its collaborative customer service and long-standing industry relationships. Engineers and buyers alike appreciate the company?s ability to provide feedback on manufacturability and design for machining during early stages of development, helping to avoid costly delays later in the product lifecycle.

Automation and efficiency have become more critical across industries. Hogge Precision remains committed to providing top-tier aluminum manifold machining services that support advanced system integration, reduce downtime, and improve overall equipment performance.

For companies seeking a dependable, U.S.-based machining partner with deep experience in fluid power applications, Hogge Precision Parts Co., Inc. stands out as a leader in quality, speed, and engineering support.

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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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