



Next Generation Production,
with Industry 4.0 solutions

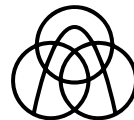
pgsinc.net

SAMSUNG



JOHN DEERE

BONTAZ



thyssenkrupp



TIMKEN



MSP
MANUFACTURING

 **BOSCH**



BorgWarner

UNITAGE

**HENRY
FORD
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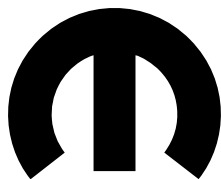
 **ZENITH FIREARMS**

STELLANTIS

F
FORMTECH



HONDA



MOPAR



Next Generation Production Services for Automotive

Powered By: 40 YRs Industry Operating Expertise, over 7 Quality Certifications, & 3 US Patents.

Precision Global Systems develops Assembly service solutions that sustainably & seamlessly integrate organizations part production.

Precision Global Systems.



What makes PGS a Powerful Partner

Quality

PGS maintains a Six Sigma quality benchmark for all internal operations & continues to shape the future.

Traceability

Our ERP integrated network of barcodes & traceable material management processes exceeds both industry standards & the expectations of our customers.

Expertise

With 40 Years experience servicing the Automotive, Defense industries; PGS has the knowledge & know-how to tackle today's toughest manufacturing challenges.

Sustainability

Each new process at PGS is verified through our sustainability arm to ensure manufacturing & material optimization.

Services & Platforms

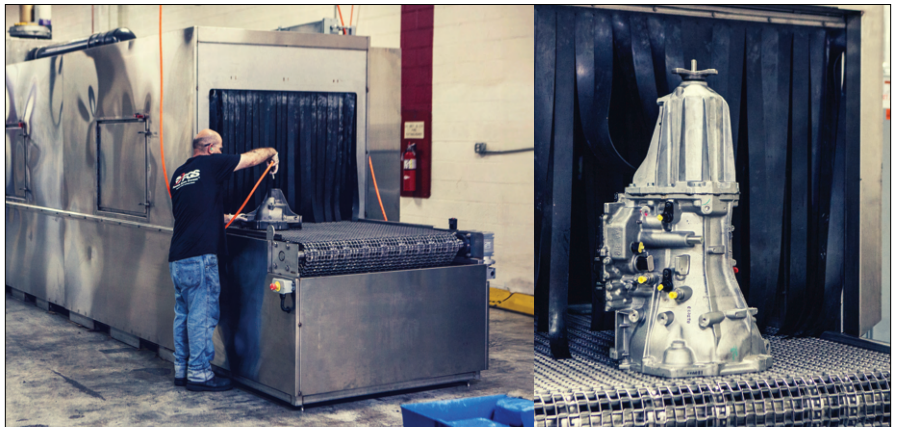
Targeted Contract Assembly

Contract Part
Assembly Services



Sustainable Impact & Parts Washing

Part Recertification,
Global Green Impact



Land & Ship

Inbound & Outbound
Part Management &
Logistics



Get Started

Now servicing more than 15+
OEM and Leading Manufactures



Learn More →



Targeted Contract Assembly

Solutions to Tackle
Modern Challenges



We provide Industry 4.0 Targeted Assembly solutions that allow organizations to scale production & improve manufacturing processes.

Main Systems & Processes

Quality

Better than Six Sigma. PGS quality represents a culmination of decades of quality optimization practices & strong partnerships.

Manufacture

PGS has serviced almost every major company within Automotive & Defense. We have the Manufacturing ability to handle the toughest projects.

Traceability

PGS Trace allows you to maintain specific lot controls in order to mitigate costly contamination events within a broad range of service & production complexities.

Solutions

PGS utilizes industry 4.0 principles in an automated assembly environment to standardize & trace the entire manufacturing process.

Targeted Contract Assembly Capabilities

Stabilizer Bar Assembly

We assemble the stabilizer bar with bushings, brackets, and links, ensuring secure attachment and torque compliance. After assembly, the unit is carefully packaged for shipment to the OEM for installation onto the vehicle's frame.

Axles

PGS specializes in assembling axles for Ford F150 and Mustang. We manage the entire process, from sourcing components to precise assembly, welding, and painting. Our axles meet strict specifications, ensuring accuracy in length and tube position angle.

Differentials, RDUs, and Wheel Hubs

PGS specializes in assembling Differentials and Wheel Hubs, ensuring thorough part verification and testing, including torque-to-turn and electronic locking tests. PGS Assembly managed the process, providing rear drive units for Saturn Vue and Chevy Equinox, crucial for power transmission to rear wheels, enhancing vehicle performance in rear-wheel or all-wheel drive systems.

CNC Machining

CNC machining is a process that uses computer numerical control to operate machine tools. This process can be used to create parts and products with a high degree of precision and accuracy.

EDM Machining

EDM machining is a type of machining that uses wire to remove material from a workpiece. This machining process can be used to create very precise and intricate shapes.

Welding & Metal Fabrication

Our welding process is supported by our partner company, TM Solutions. They weld and assemble component and assembly racks for the automotive industry, specialized fixtures, and unique metal container configurations. They have been a partner to PGS since 2010.

Keyence System

Our Keyence is a vision-base measuring systems. It's used in a variety of our clients in the automotive and defense sectors, Keyence measuring systems are known for their accuracy, precision, and repeatability.

Polishing

We meticulously polish components, whether they are standalone parts or part of an assembly. Our aim is to attain a flawless, uniform surface, free from scratches, nicks, or any other imperfections.

Sustainable Impact & Parts Washing

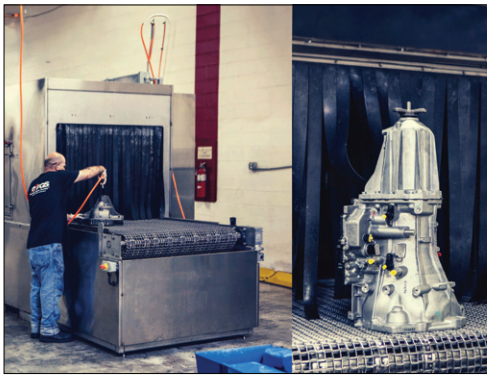
Cost Savings Processes
for the Future



PGS Sustainability Initiatives & Washing gives your business a competitive advantage with our Part Recertification Program and Global Green Impact.

How does PGS ensure compliant, eco-friendly precision parts washing services?

PGS provides precision parts washing, guaranteeing adherence to micron-level specifications for long-term production processes. With 20 years of experience serving the automotive industry, we wash components for major manufacturers like Ford, Stellantis, and Dana, covering a range from engines to wheel hubs. Our services extend to various materials, including aluminum, steel, and bearings, addressing machining residues, shipping remnants, and corrosion issues. Whether it's post-machining, RP removal, or non-conforming parts, we ensure thorough cleaning to meet your exacting standards.



Value 1 – Photo Part examples of Parts Washing at PGS.

PGS offers washing services for all metal parts, meeting rigorous cleanliness standards for critical components used in transmissions and engines. Utilize our techniques for clean parts to support your manufacturing needs. Whether as a permanent solution or a temporary measure, rely on us to ensure your parts are pristine and your production remains uninterrupted.



Value 2 – Photo of plastic part reclaimed for re-use.

PGS helps organizations align with consumer sustainability trends by providing tailored solutions to enhance their sustainable impact without increasing costs. By implementing these solutions, manufacturers can reduce their environmental impact while maintaining competitiveness in the market.



Value 3 – Photo of partially derusted axle tube for process reference.

PGS specializes in derusting parts, offering over 15 years of expertise and proprietary chemicals to support critical parts washing needs. Whether addressing rust on-site or dealing with overseas shipments, we provide valuable solutions to preserve and restore components effectively.

Sustainable Impact & Part Washing Capabilities

Bearing Testing & Recertification

Bearing testing and recertification involve subjecting taper roller bearings to washing and NVH (Noise, Vibration, and Harshness) testing to ensure their performance remains in line with the required standards set by the original equipment (OE) supplier.

Magnetic Particle Inspection

Magnetic particle inspection is a non-destructive testing process that uses a magnetic field to identify surface and subsurface defects in ferromagnetic materials. The process is commonly used to detect cracks, voids, or other discontinuities in ferrous materials.

RTV/Seal Removal

RTV seal removal is the process of removing old sealant from mating metal surfaces. Typically, this entails pre-soaking the parts in a specialized chemical solution to target and weaken the underlying structure of the RTV adhesion. Subsequently, a thorough high-pressure washing and rinsing process, conducted via a conveyerized system, completes the removal procedure.

Plastic Washing

Our Plastic Parts Washing, integral to our Global Green Impact, involves the cleaning of plastic products previously utilized for protection or assembly assistance. The primary goal is to remove oils, greases, and other contaminants from the plastic surface. This process eliminates the need to acquire additional protective plastic parts commonly employed for shipping or assembly aids, thereby promoting sustainability and waste reduction.

De-Rust

The ultra sonic De-Rust is a process that uses high frequency sound waves and a proprietary solution prior to a 3-stage wash process to remove rust from metal surfaces. The process is non-destructive and can be used on a variety of metals, including iron, steel, aluminum, and stainless steel.

Land & Ship

Inbound & Outbound
Part Management & Fulfilment



PGS provides logistics & fulfillment services that enable companies to operate on a global scale.

Management & Fulfilment



Value 1

PGS offers integrated Land & Ship add-on services like Washing, De-Rust, Sub Assembly, Gauging, Inspections, & Repack.

A trusted and proven one-stop-shop for your global Land & Ship needs.



Value 2

Our proprietary Safe (Un)Load land & ship processes paired with direct certifications to save your business time & money.

Reduce loss, improve quality, & make sure your product arrives looking its best.



Value 3

With hundreds of thousands of square feet & 24/7 security monitoring, you can rest assured your products are safe & secure at PGS.

Check out our Land & ship service operation.

Technical Specifications

Manufacturing Floor Sq Ft	100,000 Sq Ft
Trucking Ports	11 Docks & 2 Bay Doors
Inbound Operation Window	6am-10pm
Port Controlled Temperature	65 to 80 F / 18.5 to 27 C
Pallets Per Hour	60 Pallets PH
Payload Capacity	6,000 lbs capacity

Certifications & Initiatives

Great Parts come
from Great Processes



ISO 9001: 2015

ISO 9001: 2015 is an international standard that specifies requirements for a quality management system (QMS). Organizations use the standard to demonstrate the ability to consistently provide products and services that meet customer and regulatory requirements.



ISO 14001: 2015

ISO 14001:2015 is an international standard that sets out the requirements for an effective environmental management system (EMS). It helps organizations to identify and control their environmental impact and improve their environmental performance.



IATF 16949: 2016

IATF 16949: 2016 is an international quality management standard for the automotive industry. It is based on ISO 9001 and supplements it with specific requirements for the automotive sector. The standard was developed by the International Automotive Task Force (IATF)



SEMA Certification

The SEMA Certification program is a voluntary testing and certification program for automotive aftermarket products. The program is designed to give consumers confidence that the products they purchase.



Global Green Impact

Global Green Impact is an annual process that assesses a company's environmental performance. The program is designed to recognize companies that are leaders in environmental sustainability.



Certified Lean Six Sigma

Lean Six Sigma is a business improvement methodology that combines the best aspects of Lean and Six Sigma. It is a data-driven approach that focuses on eliminating waste and reducing failure.



Midwest Manufacturer

Midwest Manufacturing Certification is a voluntary program that provides recognition to manufacturing companies that have implemented policies that create a safe working environment.



3 US Patents

The company holds over 5 patents in the United States, covering a wide range of manufacturing and tech solutions.



Women's Business Enterprise

A women's business enterprise (WBE) is a business that is at least 51% owned, operated, and controlled by women who are U.S. citizens or permanent residents.



PGS Part Recertification

The PGS Part Recertification program is a voluntary program that allows PGS-certified parts to be re-certified by PGS. The program is designed to ensure that PGS-certified parts are still compliant with parts quality standards



NSF-ISR, IATF 16949, & ISO 9001

The NSF-ISR is a certification body that provides audits and certifications for organizations that want to demonstrate their commitment to quality and continual improvement in their products and services.

"Precision Global Systems continues to provide valuable contributions to the military Defense complex. Their leadership & knowledge repeatedly aids in mitigating complex fallacies we face on a day-to-day basis. Working with a partner as strong as PGS makes my job easier."

- Ret. USA, COLONEL George B. Patten

Get Started

Now servicing more than 15+
OEM and Leading Manufactures



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