

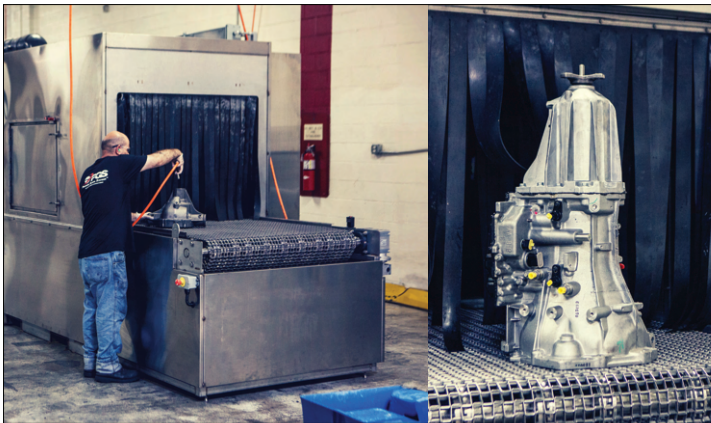
Sustainable Impact & Parts Washing

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.

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.



Parts Washing

Our Parts Washing services extend to all industries and all types of parts. We specialize in metal parts that need to meet a high standard of micron contamination.

PGS specializes in washing parts for automotive, aerospace, and agriculture sectors. Our stringent processes exceed customer expectations by adhering to critical contamination specifications. With diverse washer options, including specialty and high-volume capabilities, we tackle the most demanding wash requirements effectively. At PGS, we set the standard unreachable by others.



De-Rust

Our ultra-sonic De-Rust process uses a combination of a proprietary non-hazardous chemical coupled with high-frequency sound waves to remove rust from metal surfaces.

PGS Derust is equipped to handle projects of any size. Utilizing our exclusive chemical blend, we effectively remove rust from various types of parts including forgings, castings, machined parts, mixed metals, and components with splines, threads, and other crucial surfaces. Opt for PGS Derust service to recover parts and assemblies, saving valuable resources in the process.

Sustainable Impact & Parts Washing

Capabilities & Services Continued



Plastic Washing

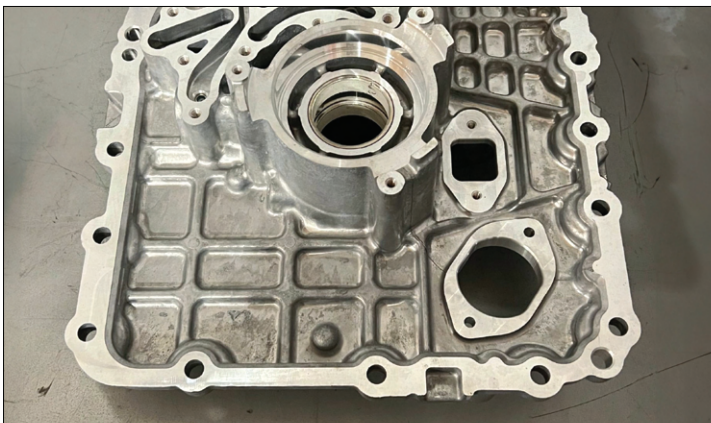
Plastic washing involves cleaning plastic components to eliminate surface debris effectively. The primary objective of plastic washing is to ensure the removal of any contaminants or dirt from the plastic parts.

Plastic washing cleans plastic parts, removing oils and contaminants to maintain quality and reduce the need for new purchases. Ford Motor Company uses our patented process to refurbish parts bought over seven years ago, saving on new acquisitions. These parts undergo our process more than 20 times annually and are reused in new assemblies. Reclaiming plastic components like seals, caps, and plugs helps businesses cut costs and promote sustainability by avoiding unnecessary expenses and landfill waste. Opt for plastic washing for financial savings and environmental benefits.

Bearing Testing & Recertification

Bearing testing and recertification is the process of verifying the performance of bearings and meet required standards.

PGS utilizes its proprietary process primarily for tapered roller bearings. This involves measuring the bearings and bearing race/cup, inputting the data into specialized software for NVH testing. After uploading the data to equipment used by industry leaders like Timken and Koyo, PGS washes the bearings to a 10-micron cleanliness specification, conducts the bearing test without physical contact, and laser identifies acceptable bearings for traceability. Finally, the approved bearings are re-oiled, packaged, and returned to the customer. Instead of discarding these valuable parts, consider PGS's recertification service, which offers cost-effective alternatives to purchasing new bearings.



RTV/Seal Removal

RTV seal removal is a process of removing the old sealant from around a parts joints.

RTV seal removal is a process of removing the old sealant from around joints. This is usually done by pre-soaking parts in a special chemical to remove the RTV adhesion from the part prior a thorough high pressure wash and rinse coneyorized process to complete the process.

Magnetic Particle Inspection

PGS utilizes MPI (Magnetic Particle Inspection) equipment, a non-destructive testing tool utilized for detecting surface and near-surface flaws in ferromagnetic materials. This method involves magnetizing the material and applying ferrous particles, which accumulate at defect sites, revealing flaws such as cracks or discontinuities. Widely adopted in industries like aerospace, automotive, and manufacturing, MPI ensures the integrity and safety of crucial components such as welds, castings, and forgings.

How PGS can help your company

Plastic Washing

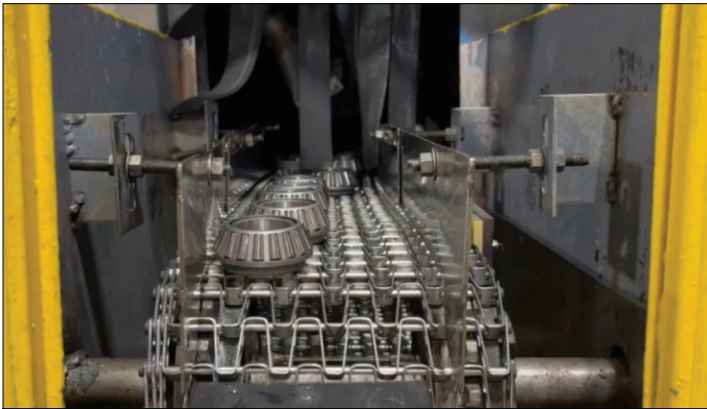
Our Revolutionary patented method to wash and re-certify plastic caps, plugs, seals, and assembly aids for industrial use is a fantastic way to make a sustainable impact for your company. Say goodbye to plastic parts ending up in landfills!

Recertification & Testing

Cut costs with PGS Recertification process. Our tailored approach rejuvenates your parts, making them functional once more. This service is particularly beneficial for valuable assemblies that fall short of your initial specifications. Don't discard parts that can be recertified by PGS, ensuring a more sustainable business for your stakeholders.

Derust

PGS Derust is equipped to handle projects of any size. Utilizing our exclusive chemical blend, we effectively remove rust from various types of parts including forgings, castings, machined parts, mixed metals, and components with splines, threads, and other crucial surfaces. Opt for PGS Derust service to recover parts and assemblies, saving valuable resources in the process.



Value 1

Easily catch your organization up to modern consumer sustainability trends with PGS.

We work to develop custom solutions that transform your sustainable impact.



Value 2

Precision sustainability applications backed & validated by past performance, 20 certifications, & 2 US patents.

PGS has the capacity to recertify millions of parts each month.

Get Started

Now servicing more than 15+ OEM and Leading Manufactures



Learn More →

