

Waukesha

**INNOVATIVE
SOLUTIONS
GIVE YOUR
ENGINE AND PARTS
A NEW LIFE**

reUp

Waukesha reUp
remanufacturing program
— from the experts who built your engine

INNIO

INNOVATIVE SOLUTIONS FOR YOUR ENGINE AND PARTS

ORIGINAL COMPONENTS. ORIGINAL SPECIFICATIONS. ORIGINAL PERFORMANCE.

Waukesha gas engines have been operating in critical applications for over a century, providing reliable power and compression in over 100 countries.

Today, the energy industry faces a challenge: optimizing operations while lowering carbon footprints.

reUp's suite of remanufactured solutions allows customers to manage their emissions without sacrificing reliability.

Our Remanufacturing Strength

Waukesha's reUp remanufacturing facilities are equipped with the latest technology, including CNC machines, 3D measurement tools, and dyno test equipment. This ensures that each remanufactured product meets Waukesha's high-quality OEM standards. Furthermore, all Waukesha reUp engines and reUp spare parts come with the same factory warranty as new OEM products.

reUp Remanufactured Engines & Parts Advantages



Lower Your Operating Costs

- ✓ Reuse of core parts
- ✓ Predefined scope of supply
- ✓ No added fees due to component fallout
- ✓ Predictable costs
- ✓ Increase serviceable life with OEM parts



Receive Quality OEM Capability

- ✓ Meeting Waukesha's factory-quality standards & specifications
- ✓ 100% OEM components
- ✓ Same warranty as for new
- ✓ Optional OEM upgrades



Increase Your Uptime

Exchange program provides:

- ✓ Upfront delivery before return
- ✓ Fast return to service



Maintain High Reliability

- ✓ Holistic & systematic remanufacturing process
- ✓ Remanufactured to original-or-latest specifications



Reduce Your Environmental Footprint

- ✓ Resources saved by bringing worn components back to life
- ✓ Materials reused whenever possible



reUp Engines Are Asset Performance Management (APM) Enabled

INNIO Waukesha's APM solution provides preventative and predictive analytics for reUp engines. Increase profits while decreasing the cost of day-to-day operations.

- ✓ Get ahead of issues with early detection and resolution
- ✓ Call on technical support anytime → factory support can help solve problems remotely
- ✓ Determine root cause of an engine shutdown before traveling out to site

CONNECT YOUR ENGINE TODAY!

ABOUT WAUKESHA'S reUp REMANUFACTURING PROCESS

Waukesha maintains a newly remanufactured – not just rebuilt– attitude. In fact, Waukesha's reUp remanufacturing program designs, engineers, and delivers only genuine components that meet our exact standards and specifications. With our holistic and systematic five-step remanufacturing process (reUp process), our engines and parts are carefully re-assembled and comprehensively tested before delivery. In this way, we help ensure that all components work together in harmony for optimal system performance.



Our advanced remanufacturing process brings worn engines and parts back to life, resulting in significant benefit for you and the environment.

THE MOST ECONOMICAL SOLUTION FOR YOUR NEEDS

TO MEET YOUR INDIVIDUAL REQUIREMENTS, WAUKESHA OFFERS YOU A CHOICE: OUR REMANUFACTURING PROGRAM COVERS BOTH COMPLETE ENGINES AND PARTS.

reUp Engines

The engine is the heart of the compressor package or plant installation; efficient engine performance allows you to operate with confidence. Waukesha's reUp remanufacturing experts bring their expertise and advanced manufacturing techniques together to give your engine a second life. To save time, Waukesha's exchange program allows you to order a reUp engine before yours is returned.



Offering Optional OEM Upgrades

Combine the engine's overhaul with Waukesha's technology upgrades to achieve optimized engine efficiency, performance, and/or emissions.



Keeping Costs and Scope In Check

All reUp engines are given an attractive fixed price with a transparent core engine return policy. No added fees for surprise machine work, core fallout, or repairs.

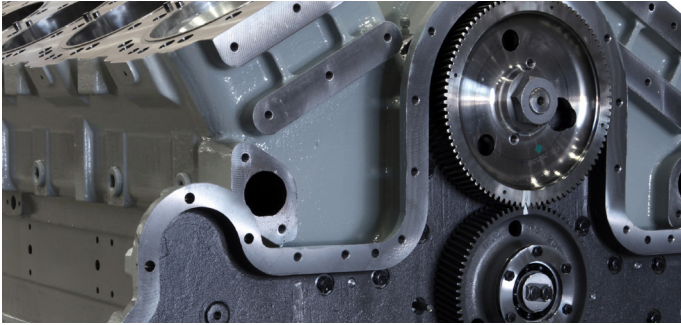


Backed by "New" Engine Warranty

All reUp engines are backed by the same warranty that is given to new engines.

reUp Long/Short Blocks

Waukesha reUp long and short blocks provide the foundation of a quality engine overhaul. Blocks consist of reman and new components which conform to OEM specifications and are assembled in production environments by trained technicians. The no adder fee core credit policy and Waukesha Warranty provide additional value.



reUp Spare Parts

An engine is only as good as the parts inside it. And when your gas engine's core parts are not in proper working order, engine efficiency and reliability declines — as can overall profits. Lower operating costs — and environmental impact — by reusing materials whenever possible. With Waukesha's remanufacturing program, you get the same OEM warranty for reUp parts that you would get with new Waukesha parts.



OEM Engineering Reman Specifications

Reman specs are determined by Waukesha Engineering using the same design methodology and validation process used for new units. Validation includes detailed modeling, finite element analysis, materials lab testing, or on-engine testing.



Quality and Reliability

VHP reUp short block components are remanufactured in production environments with supporting quality systems. Block assembly is completed by trained personnel with the same equipment, processes, and tools used to build new units.



Core Return Management

reUp core return is managed using an easy-to-use online portal and core return shipping is covered by Waukesha. Core credit is determined based on visual inspection of core. No added fees are applied if components fall out later in the core process.



Delivering Quality, OEM Capability

As an OEM, Waukesha relies on our holistic, systematic remanufacturing process when refurbishing engine parts. All worn parts that do not meet our strict requirements are replaced by new OEM parts. For greater durability, critical wear parts (such as bearings and seals) are always replaced, regardless of condition.



Lowering Operating Costs

Waukesha's durable reUp spare parts cost significantly less than new parts and also increase return on investment.



Save Time

From a team of quality experts to an exchange program option, you can significantly increase your plant's availability. In fact, we'll supply you with our reUp parts before you return your used parts to us.

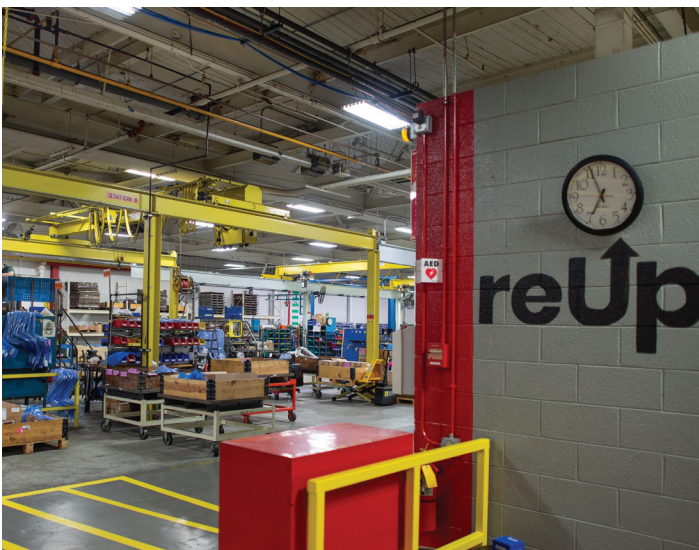
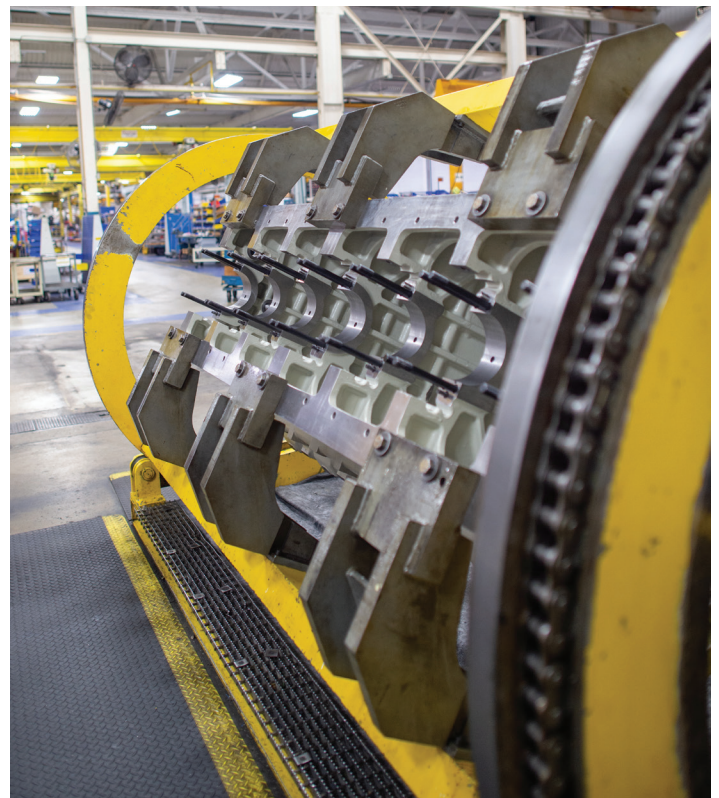
WAUKESHA'S QUALITY CONTROL & CUSTOMER COMMITMENTS

FROM A TEAM OF QUALITY EXPERTS TO A STOCK OF EMERGENCY REUP ENGINES, WAUKESHA IS COMMITTED TO MEETING ITS CUSTOMERS' POWER NEEDS.

Waukesha maintains a full design and manufacturing facility at its one million square foot location. It employs a full staff of design, application, and manufacturing engineers.

Furthermore, Waukesha is deeply committed to quality. Staff includes Supplier Quality Engineers, Process Quality Engineers, and Six Sigma Black Belts, as well as full-time inspectors to support the plant. Quality processes in use at the facility include Six Sigma, Lean Manufacturing, and a corrective/preventive action system.

Waukesha stocks a variety of reUp engines, long blocks, and short blocks at its facility. These engines are ready to be deployed to critical applications in an emergency situation. All stock engines are upgraded to the latest technology, reducing the potential for future failures.



reUp's VALUE

reUp engines provide value over standard overhauls in five major categories. The combination of value adders provides significant advantages over a standard overhaul. The total value of a reUp engine well exceeds the price.

1. No Machine Shop Added Fees

reUp engines have a fixed price. There are no added fees if parts require additional work or fall out during the remanufacturing process. This fixed price prevents cost escalation and assists in budget planning.

2. Upgrade Value

When upgrading a VHP Series Two engine to a Series Four or Series Five, all current production updates are included (xCooled heads, ESM2 and AFR2 controls, advanced breather system, etc.).

As a result of these production updates, benefits include:

- Improved engine performance and uptime
- Reduced CO2e footprint and fuel consumption
- Reduced maintenance and lower maintenance costs
- A reduction in oil consumption, saving oil costs and catalyst cleanings
- Improved cylinder heads can extend top end interval up to 60%
- Extended spark plug intervals

3. Warranty

All reUp remanufactured engines come with the same new engine Waukesha Warranty (one year from date of service or two years from date of sale).

4. Logistics

Waukesha covers the cost of core engine return from channel partner location.

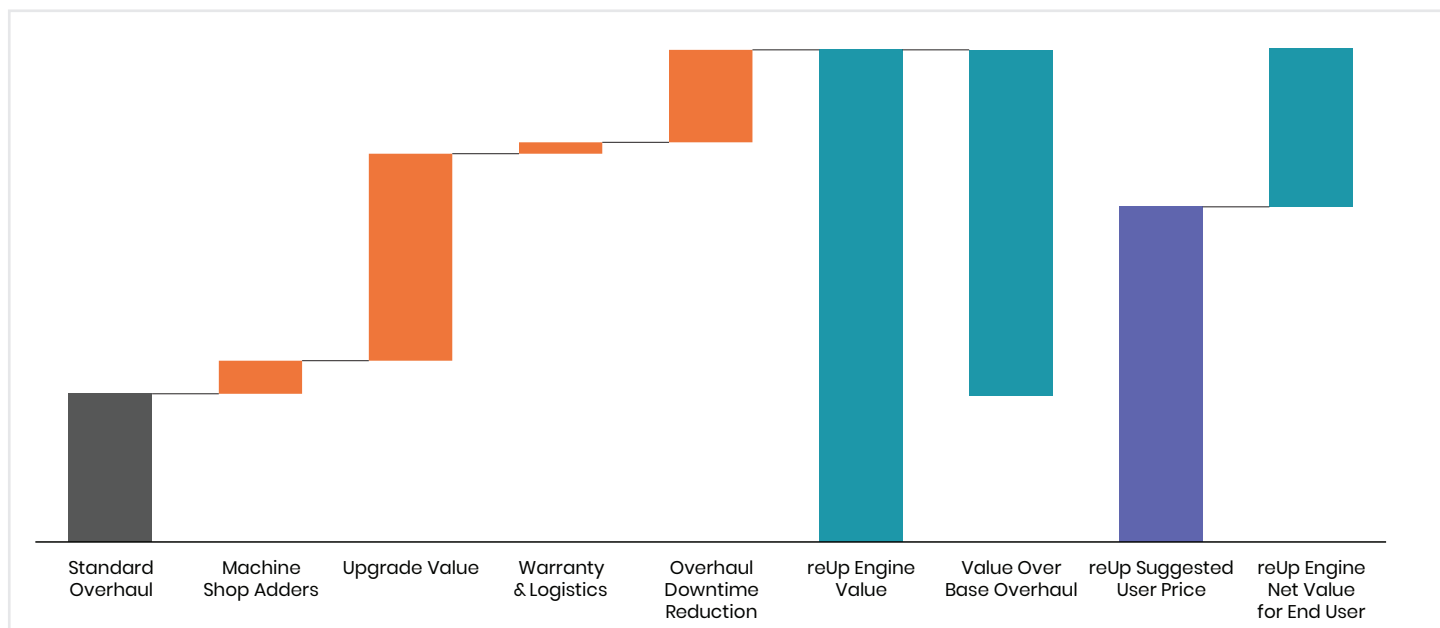
5. Overhaul Downtime Reduction

reUp engines can be installed into existing pages in days rather than weeks. The chart below assumes a three-day engine replacement rather than a 21-day outage.

reUp Engine Value Waterfall

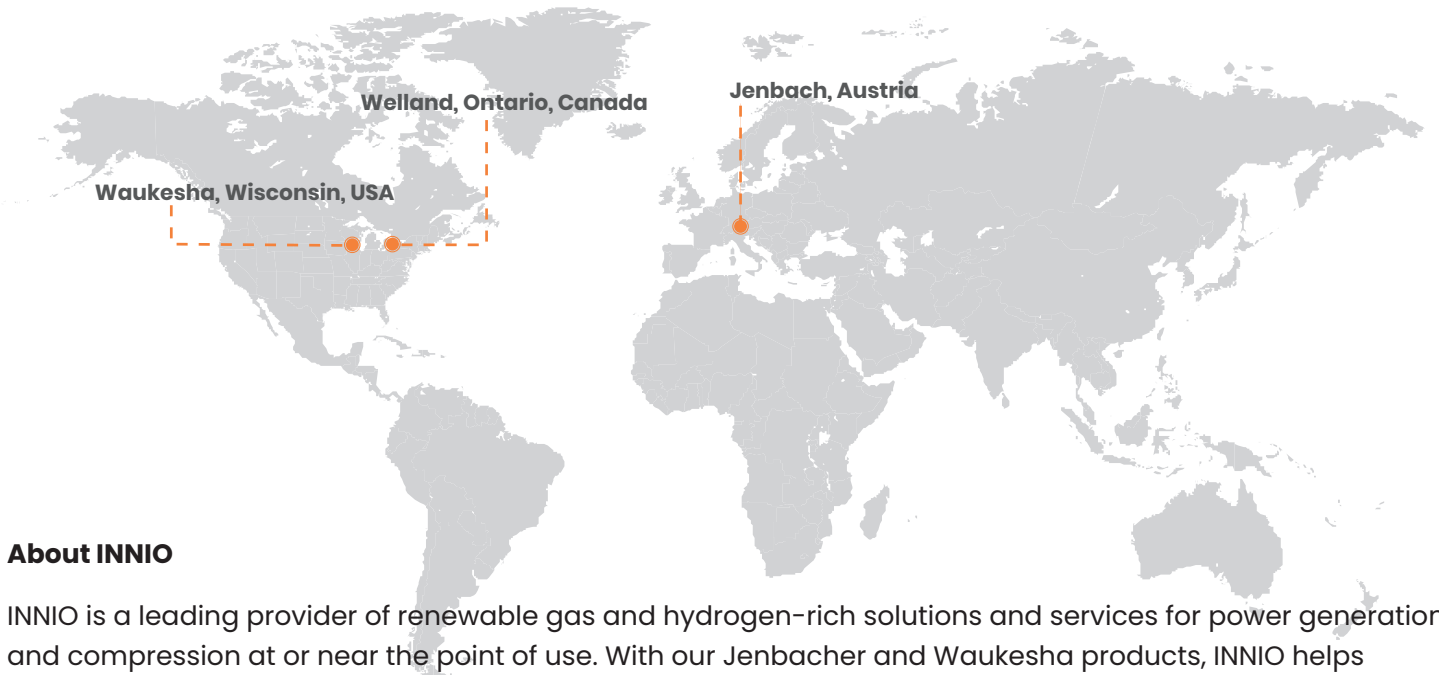
The chart below shows the reUp engine value for a typical gas compression user. The estimates will vary based on overhaul scope and site operating conditions. The upgrade value shown does not include additional value that can be realized from increased throughput with an increase in engine power. A Waukesha Engine sales team member can help calculate site-specific savings.

reUp Engine Value Waterfall





At Waukesha, we're working every day to design and build engines and programs that help power your tomorrow.



About INNIO

INNIO is a leading provider of renewable gas and hydrogen-rich solutions and services for power generation and compression at or near the point of use. With our Jenbacher and Waukesha products, INNIO helps to provide communities, industry and the public access to sustainable, reliable and economical power ranging from 200 kW to 10 MW. We also provide life-cycle support and digital solutions to the more than 54,000 delivered engines globally, through our service network in more than 100 countries. We deliver innovative technology driven by sustainability, decentralization, and digitalization to help lead the way to a greener future. Headquartered in Jenbach, Austria, the business also has primary operations in Welland, Ontario, Canada, and Waukesha, Wisconsin, U.S.

For more information, visit the company's website at www.innio.com.

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