

JENBACHER

AVAILABILITY COUNTS

Services that matter



SPARE PARTS &
CONSUMABLES

A FIT LIKE NO OTHER

To stay ahead in this increasingly competitive environment, you must keep improving your asset's life-cycle operations with better productivity and reduced maintenance costs — all while remaining in compliance with environmental legislation. The key: longer lasting parts and more reliable plant performance paired with life-cycle cost efficiencies. Your parts and consumables must fit precisely with your Jenbacher system and always — always — be up-to-date with the latest technological advances.

Tailored to your needs

High-quality parts within current product specifications, original tools, tailored consumables, and a strong distribution network for prompt, high-end support help ensure your plant's top performance. Your support from INNIO Group is smooth and swift with prompt, maintenance-friendly delivery options, proactive troubleshooting when needed, and flexible ways to reach us.

Your strategic partner

As your Jenbacher system's original equipment manufacturer (OEM), INNIO Group is your reliable partner, providing you with both tailor-made solutions for bigger challenges as well as standard options that still include exceptional quality. With the knowledge and innovation strength of the OEM, INNIO Group helps you keep your plant running — no matter how complex or simple your needs.

A smart distribution network

Offering sophisticated spare parts logistics, INNIO Group has built a global network of distribution centers and warehouses. With more than 20,000 square meters of storage space at our main spare parts distribution center in Nuremberg, Germany, we provide warehousing, professional packaging, and shipping of Jenbacher spare parts and consumables. Globally, the German warehouse enables the supply of our OEM spare parts and the handling of more than 70,000 deliveries per year. Similar performance levels are offered throughout the main INNIO Group regions of North and South America and Southeast Asia, including Australia.



Spare parts distribution center video:
Scan the QR code to get a sneak peek into our Nuremberg location.



A LIFE-CYCLE VIEW

As the experts who developed your Jenbacher energy systems, we are committed to partnering with you to analyze and understand the full life cycle of your spare parts and consumables. Our Jenbacher Services' quality is constantly increasing based on our extensive and always growing expertise and the improvements we continuously make to our spare parts and consumables.

Quality throughout our entire system

When developing new parts and consumables, we look at the entire Jenbacher system. Each new OEM component is lab and field validated, while the stringent quality measures in our production processes are based on ISO standards 9001, 14001, 50001, and 45001 paired with extensive lean practices. To ensure the same quality across our value chain, we track our components from our suppliers ... who also are subject to our strict quality controls.

Strong portfolio for various options

With our comprehensive spare parts and consumables portfolio for your Jenbacher plant, we can meet your individual needs. When possible, we use remanufactured components from our reUp product portfolio, which offers the added benefit of a reduced environmental footprint in support of your sustainability efforts.

Data-driven excellence

Our strict quality controls help ensure high reliability, durability, and safety. Accuracy is measured to the micrometer, and all test results are recorded and stored electronically. Combining the use of quality materials with original tooling makes the difference when it comes to maintenance work. Additionally, continuous analysis through our digital myPlant Performance platform and proactive monitoring from our Services experts offer advantages throughout your installation's lifetime. Data analysis enables component life prediction so you can plan for exchanges according to actual wear.

YOUR OEM SPARE PARTS AND CONSUMABLES ADVANTAGES



Increased reliability

Designed to improve the entire system; built to OEM product specifications with high tolerances and superior standards



Quality materials

Established through lab and field validation during the development process and comprehensive checks before you receive your product



High product availability

From our global parts distribution network



Original tooling

Designed for various applications and to harmonize with our engine specifications



Long-term cost efficiency

With the option of OEM service contracts for your plant



Warranty coverage

Because using Jenbacher OEM components gives you the advantage to stay within our warranty requirements



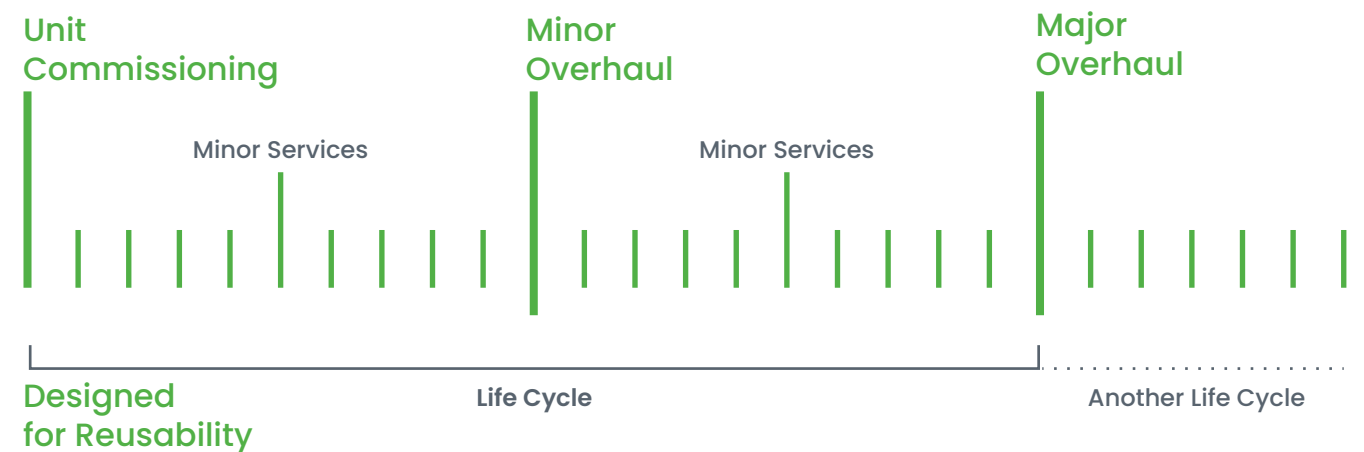
ONE-STOP SHOP

The comprehensive Jenbacher spare parts & consumables life-cycle portfolio¹

Always turn to Jenbacher spare parts and consumables, which were developed in house for better performance and reliability during your asset's entire life cycle. From cylinder heads and liners to pistons, conrods, and bearings, our spare parts and consumables are designed to meet the high-end requirements of your Jenbacher engines. Plus, they make your maintenance easier with low life-cycle costs.

Designed according to our specifications for increased performance and durability, our oil filters offer a high separation rate over extended periods while our filters for combustion air and fuel gas help ensure a barrier for particles in the intake air and fuel gas. INNIO Group also provides a full assortment of preventive or corrective parts – from prechamber gas valves to O-rings and gaskets – that are needed to maintain your Jenbacher systems.

OEM spare parts and consumables improve over the life cycle



Other services to consider over the life cycle of an engine

Over the life cycle of an engine, our customized service agreements give you more predictable life-cycle costs. All service events can be combined with optional upgrades for even better performance, reliability, and engine life.

¹ Please note that the product portfolio is not exhaustive. A full listing can be found in your engine documentation.

Remanufacturing components

Bringing worn components back to life, our Remanufacturing Program's reUp spare parts are designed to provide you with an economical and sustainable solution. With our reUp spare parts, you can lower your operating costs and support the sustainable and positive effects of a circular economy.

Lubrication oil

Keep your Jenbacher engines running longer, cleaner, and more reliably with Jenbacher S Oil 40 and Jenbacher N Oil 40 — developed and validated by our engine experts in collaboration with leading industry players Q8Oils and ExxonMobil.

SCR and oxidation catalysts

Our application-specific developed and designed SCR and oxidation catalysts help you meet environmental requirements and regulations. By using specifically designed and right-sized catalysts, you enhance your engine's overall endurance and lower your life-cycle costs.

Original tooling for excellent support

Having the right tools in place at the right time can make the difference. Our tools meet top quality standards, as supported by extensive field trials. Jenbacher tools are designed for various applications and to harmonize with our engine specifications so you can overcome unexpected issues upfront and complete your maintenance events on schedule.

Jenbacher spark plugs: Key to our specialized ignition system

Our Jenbacher spark plugs are produced in house in our spark plug production facility in Kapfenberg, Austria, and are designed to enhance your Jenbacher engine's operation. Each spark plug type was developed and designed to provide high power outputs and reliability for specific Jenbacher engine models operating on many different gases. Our spark plug is key to our specialized ignition system, which is a central component of our advanced engine technology.



Proven success

- 8,000 items — that's 7 million pieces — delivered annually
- 50,000 customer orders fulfilled each year
- >90% parts availability — and that number continuously improves



INVESTING IN JENBACHER GENUINE COMPONENTS PAYS OFF

You gain numerous advantages by relying on our genuine components, including better performance and uptime. All of our components are designed to work together in harmony.

Plus, with our spark plug recycling process, you can help provide more raw materials to meet your future needs. With our sustainable recycling process, nearly every second Jenbacher spark plug manufactured in our in-house spark plug production facility in Austria is returned to us for use in our recycling program. Using several mechanical and chemical separation steps, our recycling process enables effective re-use of valuable resources and materials.



GENUINE JENBACHER PARTS AND CONSUMABLES GIVE YOU THE COMPETITIVE EDGE

Jenbacher spark plugs: Much luck for a customer in Pakistan

Lucky Energy in Kathore (Sindh), Pakistan

Orient Energy Systems, an INNIO Group distributor for Jenbacher engines, has been using INNIO Group's P611 spark plug at Pakistan's "Lucky Energy" textile mill industrial plant. Since its commissioning at the site in 2017, a Jenbacher J624 H-version generator set with a design load of 24 bar BMEP has been operating at constant loads between 3,600 kW and 4,000 kW.

KEY TECHNICAL DATA

Engine type	1 x J624 H-version
Electrical output	4,400 kW
Energy source	Pipeline gas
Commissioning	Engine: 2017 P611: 2018

»We are very satisfied with the P611 spark plugs, which have been running for around 24,000² operating hours in total, with a replacement made at every 5,000+ operating hours. For us, the benefit of P611's longer lifetime reduces our costs per operating hour.«

Adnan Mazhar,
Director of Lucky Energy

² About 24,000 cumulative operating hours were achieved by the end of July 2022.

Jenbacher spark plugs: Success in Portugal

Sampedro Energia in Lordelo, Portugal

Sampedro is a leading textile company in Portugal. A Jenbacher J624 H-version engine is at the heart of its Sampedro Energia cogeneration facility. The engine provides steam and hot water for the production process while producing 4.4 MW of energy for the national power grid. At the plant, INNIO Group's P611 spark plugs have reached about 4,500 operating hours, since July 2018. With a design load higher than 24 BMEP and a maximum voltage level under 26 kV, the spark plugs are still in use.

KEY TECHNICAL DATA

Engine type	1 x J624 H-version
Electrical output	4,400 kW
Thermal output	2,113 kW
Energy source	Pipeline gas
Commissioning	Engine: 2012 P611: 2018

»We are very happy with the P611 spark plugs. The high reliability level and no need for regular maintenance facilitates our plant operations.«

Antonio Amaro Ribeiro,
Plant Manager of Sampedro Energia



Jenbacher N Oil 40: Oil drain interval doubled in Germany

University, Germany

A university in Germany operates two Jenbacher engines for combined heat and power production. One of the engines is a J612 F-version that previously was running on a premium quality Jenbacher-approved engine oil that had to be changed after 1,900 operating hours, based on the condemning limits of Total Base Number and oxidation.

To extend the oil drain intervals, the operator switched to Jenbacher N Oil 40, which was developed jointly by the INNIO Group and ExxonMobil³ engineers. The university has used Jenbacher N Oil 40 for more than 42,000 operating hours⁴ and has achieved oil drain intervals of up to 7,000 operating hours.

Additionally, the Jenbacher N Oil 40 keeps the spare parts cleaner, offers excellent resistance to valve recession, and demonstrates improved resistance to ring sticking.

KEY TECHNICAL DATA

Engine type	1 x J612 F-version
Electrical output	2,002 kW
Thermal output	1,069 kW
Energy source	Pipeline gas
Commissioning	2017
Total hours on Jenbacher N Oil 40	> 42,000 ⁵ oph



³ ExxonMobil is a trademark or registered trademark of ExxonMobil corporation or one of its subsidiaries.

^{4/5} Status as of April 2023

Jenbacher S Oil 40: 15,000 operating hours exceeded with no oil drain

Bioenergie Aspach Verein & Co KG, Aspach, Austria

Bioenergie Aspach has depended on Jenbacher engines since 2005. When the J312 F-version engine went into operation in 2020, the oil tank was filled with Jenbacher S Oil 40 – the high-performing oil engineered by the experts from INNIO Group and Q8Oils⁶. After passing the 15,000 operating-hour milestone without the need for oil drain, the oil was reported in good condition with safe distance to condemning limits.

»With Jenbacher S Oil 40, we were able to run the engine for more than 15,000 operating hours without an oil drain. Thanks to this, we have avoided engine downtime, while reducing our operational costs.«

Johann Angleitner-Kettl,
Managing Director of Bioenergie Aspach Verein & Co KG

KEY TECHNICAL DATA

Engine type	1 x J312 F-version
Electrical output	550 kW
Thermal output	557 kW
Energy source	Biogas
Commissioning	2020
Total hours on Jenbacher S Oil 40	< 23,700 ⁷



Jenbacher S Oil 40 customer video:

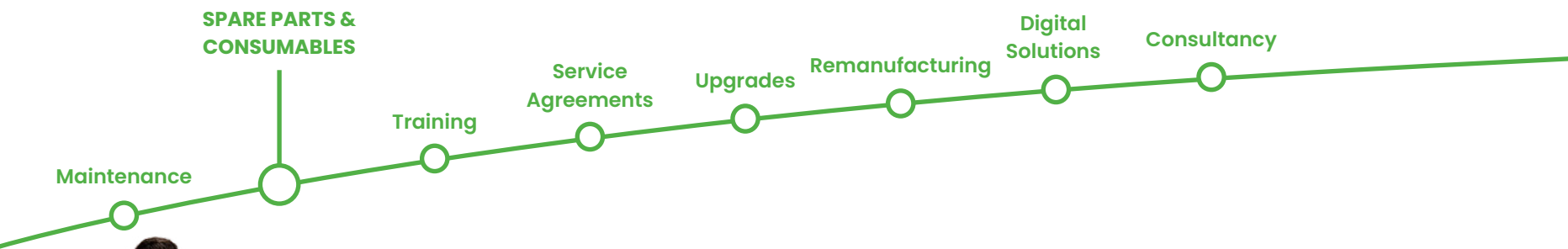
Scan the QR code and get more information about our reference in Aspach, Austria.

⁶ Q8Oils is a registered trademark of Kuwait Petroleum Corporation.
⁷ Status as of August 2023



JENBACHER SERVICES SOLUTIONS

Our global Jenbacher Services team knows your Jenbacher energy system best. As your OEM, INNIO Group provides you with a full suite of life-cycle solutions – from original parts to reliable remote and on-site services – all enabled by our cutting-edge myPlant technology.



Your Jenbacher Services team

TOTAL SUPPORT FROM INNIO GROUP

Delivering flexibility and experience

Drawing on more than 65 years of power innovation, INNIO Group's Jenbacher technology provides hydrogen-ready power generation to businesses and industries striving for a greener future. Today's highly efficient Jenbacher systems deliver energy independence through low-emission, secure, and cost-effective energy solutions.

With key benefits from our powerful digital platform

Through our myPlant Performance digital platform, we provide remote support for our connected customer-operated systems around the globe. Today, more than 12,000 Jenbacher systems are managed remotely, and more than 1,200 billion data points are evaluated annually – a powerful proof-point of INNIO Group's knowledge and experience.

Backed by our commitment to sustainability

At INNIO Group, we commit to the highest ethical standards and implement best practices in governance and compliance. A sustainable way of conducting business is front and center of everything we do. By selecting us as your supplier, you enter a long-term relationship with a reliable partner. Our fundamental mission to deliver a sustainable future and empower the world's transition to net zero was recognized with prestigious EcoVadis ratings. In 2021, we joined the "Race to Zero" campaign, initiated by the United Nations, to bring together global leadership for an accelerated transition to a net-zero future. Thanks to our efforts, INNIO Group's ESG Risk Rating again secures our number one position across more than 500 companies globally in the machinery industry assessed by Sustainalytics.⁸

⁸ Ratings took place in March 2023.

HOW WILL YOU BENEFIT?

Contact an expert from
Jenbacher Services to learn more.

Partner with us for your original Jenbacher parts and consumables.
We make sure your material is on site when you need it, harmonized
to support your system's top performance.

Reach out today by completing the contact form online:
jenbacher.com/contact.



About INNIO Group

INNIO Group is a leading energy solution and service provider that empowers industries and communities to make sustainable energy work today. With its product brands Jenbacher and Waukesha and its digital platform myPlant, INNIO offers innovative solutions for the power generation and compression segments that help industries and communities generate and manage energy sustainably while navigating the fast-changing landscape of traditional and green energy sources. INNIO is individual in scope, but global in scale. With its flexible, scalable, and resilient energy solutions and services, INNIO enables its customers to manage the energy transition along the energy value chain wherever they are in their transition journey.

INNIO is headquartered in Jenbach (Austria), with other primary operations in Waukesha (Wisconsin, U.S.) and Welland (Ontario, Canada). A team of more than 4,000 experts provides life-cycle support to INNIO's more than 55,000 delivered engines globally through a service network in more than 100 countries.

In March 2023, INNIO's ESG rating ranked first out of more than 500 companies worldwide in the machinery industry assessed by Sustainalytics.


For more information, visit the INNIO website at innio.com, the Jenbacher website at jenbacher.com or the Jenbacher Services website at jenbacher.com/en/services.

Follow INNIO Group and its brands on  (formerly known as Twitter) and .



ENERGY SOLUTIONS.
EVERYWHERE, EVERY TIME.

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