Olympus products are used across the globe to ensure the health and safety of the communities in which we live, work and play. Olympus Scientific Solutions is a business of Olympus Corporation, renowned for its pioneering work in optical technology, electronics, and precision manufacturing. A leader in providing solutions for customers in the industrial and life science markets, we offer a comprehensive portfolio of advanced technologies including remote visual, microscopy, ultrasound, phased array ultrasound, eddy current, eddy current array, and X-ray fluorescence. Whether your goal is detecting defects, ensuring safe operation of existing materials, or environmental remediation, our innovative industrial testing can be tailored to suit your specific needs and meet even the most demanding applications.

We partner with our industrial customers to help them solve complex measurement challenges using our wide variety of technologies. Our products are used in a broad range of applications in markets including aerospace, power generation, automotive, oil & gas, chemical, welding, manufacturing, mining, industrial scientific research, and recycling. All Olympus products are manufactured to the highest possible standards—including ISO 9001 and ISO 14001—and are supported by our first class, global customer support system that is available to aid our customers anytime, anywhere.

For more than 45 years, Olympus has remained at the forefront of the industry, partnering with some of the largest companies in the world to develop comprehensive solutions to their most difficult challenges. Industrial applications for our products span the manufacturing, maintenance, and environment/natural resources industries. We manufacture products for nondestructive testing, high-precision measuring, flaw detection, thickness gaging, acoustic imaging, remote inspection, metrology, and mineral identification. All over the world, industrial professionals rely on Olympus products to carry out their inspection, quality control, and analytical tasks.

Our world-class portfolio of advanced technology solutions includes manual and automated systems based on high-performance technologies. We also offer turnkey solutions that can be adapted to meet customers’ requirements.

Our commitment to designing quality products is directly linked to our customers’ responsibility to ensure safety, quality and reliability by complying with the highest industry standards and regulations, to help people lead safe and productive lives.
Manufacturing

Manufacturing operations require efficient and reliable precision measurement throughout their process to produce high-quality final products. Flaws, uniformity and quality issues, and poor material cleanliness must be immediately identified and corrected. In the high-tech sector, assembling increasingly complex components requires high-resolution inspection and measurement technologies to make sure that parts do not fail and to address quality issues as soon as possible in the manufacturing process.

Olympus’ inspection, measurement, and analytical equipment are designed to help customers ensure the quality of their products as well as identify issues in their manufacturing process to adjust and improve accordingly. Our technology enables customers to better control and improve their manufacturing processes in order to maintain exceptional quality control standards. In addition, we create customized solutions based on customer specifications to further improve the overall performance and quality of the inspection, while minimizing the impact on the manufacturing process.

We are committed to developing new technologies, products, and services that offer valuable solutions to meet our customers’ global needs. Our solutions enable manufacturers to assess product quality on the spot with accurate and reliable information. Inspection data are also easily made available for archiving, reporting, documentation, and for integration into continuous improvement of the manufacturing process.

Our products are used in applications such as testing automotive components, aircraft components, metal alloys, electronics, plastics, and machined precision parts. From a safety standpoint, Olympus solutions are widely used for critical dimension and defect detection to ensure product quality as well as help our customers meet industry standards and requirements.

Examples of measurement solution applications include quality of automobile body panels, frames and airbag systems, aircraft part precision, and semiconductor dimensions for reduction of waste. The scope and breadth of our manufacturing inspection, measurement, and analytical solutions illustrate our product portfolio’s versatility and our commitment to the success of our global customers facing an increasingly challenging and competitive landscape.

Major industries:
- Automotive
- Aerospace
- Infrastructure
- Consumer products
- Electronics
- Component testing
- Industrial scientific research
Maintenance

Maintenance is crucial for everything from keeping vehicles and plane engines running smoothly to keeping our infrastructure safe and ensuring operational compliance in power, oil & gas and chemical plants. Metals, composites, ceramics and polymer materials undergo stress that can cause parts to fail over time. Olympus’ nondestructive testing products are easy to use and enable the user to take measurements on parts without disassembling or destroying for inspection. Our products help inspectors see beneath the surface to identify flaws, corrosion, material composition, foreign objects or evaluate remaining thickness that are difficult or impossible to see with the naked eye. When the accuracy of the inspection is critical, Olympus delivers.

Olympus’ solutions and overall product portfolio help to minimize costs, improve risk management, and increase safety and reliability by detecting irregularities before non-compliance. Nondestructive testing provides the critical information necessary for making accurate material condition characterizations. Our technology offers efficiency and provides data collection of measurements for thorough analysis and reporting. We design and manufacture tools inspectors need to optimize routine maintenance and help prevent premature and unexpected failures.

Our testing equipment is used to examine critical components such as aircraft components, oil and gas pipelines and tanks, chemical and power plant components, train wheels, axels and rail lines, and bridges. We are also a leader in corrosion monitoring and weld inspection. Olympus’ line of advanced field inspection instruments enables you to inspect even the most difficult locations.

Major industries:
- Transportation
- Aerospace
- Power generation
- Oil & Gas
- Chemical
- Infrastructure
Environment and Natural Resources

Olympus offers test, measurement, and inspection tools to help protect the environment as well as enable efficient use of our planet’s natural resources from mineral extraction to recycling. Our tools provide the information required to make fast and accurate decisions right in the field, where it is needed most.

Olympus’ X-ray fluorescence (XRF) and X-ray diffraction (XRD) instruments are intuitive and easy to use, enabling operators to conduct hundreds of tests per day with high analytical confidence. Handheld, field-portable, and compact benchtop instruments can be configured for a wide variety of applications for elemental analysis as well as compound and phase analysis.

For environmental analysis, soil samples can be assessed for site remediation and to help ensure compliance with regulatory requirements. Our products enable users to quickly screen samples for fast, reliable analysis so they don’t have to wait days or weeks on laboratory results.

Our rugged and durable analyzers support the lifecycle of natural resource use from greenfield mineral exploration to recycling. In the mining industry, our devices enable onsite testing helping customers save time and money not only during mineral exploration activities, but also with grade control and mineral processing in operational mines. When mining is complete, Olympus analyzers assist in mine closures through site remediation compliance and long-term monitoring. For finished products that have reached the end of their useful life, our devices are used in recycling applications to quickly and accurately sort materials for proper categorization and valuation, improving throughput and profitability.

Major industries:
- Environmental remediation
- Recycling
- Mining
- Oil & Gas
Leading Technology

Olympus is committed to designing and engineering products that can be adapted to address a variety of challenges. Whether it’s the thousands of probes and transducers we make for our NDT products or our advanced microscopes designed for material solutions, Olympus has the flexibility to help you get the job done. If we do not have a solution to your problem, then we will work with you to develop one.

Our extensive product portfolio gives us the unique ability to design custom solutions. For example, in the industrial field, the rapid development of wind turbine technology necessitated the creation of new inspection tools. Wind turbine blades are subjected to considerable lift forces during their service life. Manufacturers needed a way to verify the integrity of the blades during production to make sure that they wouldn’t fail after installation. Olympus adapted our current inspection technology and created specialized components to facilitate blade inspection. In addition, our remote visual inspection tools are important for inspecting turbine gearboxes and our weld inspection products are used for verifying the quality of welds between tower sections.

Industrial Technology

- Ultrasonic / phased array ultrasonic testing
- Remote visual testing
- Eddy current/eddy current array testing
- Microscopy
- X-ray fluorescence/x-ray diffraction analysis
Worldwide Locations

At Olympus, our paramount concern is serving the needs of our customers anytime, anywhere. We take responsibility for the quality of our products and services, and are dedicated to satisfying our customers around the world. Our service representatives undergo extensive training to provide the best possible customer experience. Our three R&D centers and global network of more than 200 sales and service teams are ready to answer questions about our products, applications, training, and technologies. Our sales representatives are available to help you choose the right product for your application and optimize it so you get the most out of the equipment. We constantly solicit feedback from our customers and use this information to help create our next generation of products.

Olympus is committed to providing the best customer care and after-sales service. Our professionally staffed service centers are dedicated to assisting customers with repair or calibration throughout the life cycle of the equipment. Our service facilities provide expert troubleshooting and technical support and turn around repair requests as quickly as possible.

In addition to the countries listed below, Olympus is proud to work with an extensive distribution network in more than 145 countries.

Australia  France  Malaysia  Sweden
Austria  Germany  Netherlands  Switzerland
Belgium  Hong Kong  New Zealand  Taiwan
Brazil  India  Norway  Thailand
Canada  Ireland  Poland  Turkey
China  Italy  Portugal  Ukraine
Croatia  Japan  Puerto Rico  United Arab Emirates
Czech Republic  Korea  Russia  United Kingdom
Denmark  Latvia  Singapore  United States
Estonia  Lithuania  Slovenia  Vietnam
Finland  Mexico  Spain

www.olympus-ims.com
About Olympus

Olympus was established in 1919 when founder Takeshi Yamashita, told his engineers that imitations of imported microscopes would not suffice and that the goal should always be to create something original. This ideal continues to permeate Olympus today through our history of innovation and commitment to research and development.

We are dedicated to providing new technologies, products, and services that offer solutions to our global customers’ needs. Our goal to supply reliable, economic systems that support our customers with enhanced safety, security, quality, and productivity drives our day-to-day.

As a member of the global community, our relationship with society is very important to us. We strive to help people around the world live safer, healthier lives. Our community and our customers are at the heart of everything that we do.

Sustainability

Olympus is committed to environmental sustainability both in our manufacturing practices and in the products that we make. In 2005, Olympus adopted a revised environmental policy reaffirming our commitment to sustainable development.

We follow a rigorous environmental management program that includes assessing the environmental impact of each of our facilities, conserving natural resources and energy, implementing a comprehensive recycling program, encouraging our staff to understand the importance of environmental conservation, and complying with all regional and international environmental legislation.

Olympus has established additional standards, pursuant to the Type II environmental label stipulations of ISO 14021, to reduce the environmental impact of our products. We created the Olympus Eco-product label so that our customers can easily recognize products that are certified as meeting our environmental standard. In addition, we are proud of the fact that many of the products we manufacture, such as thickness gages and flaw detectors, are essential in helping our customers protect the environment.

Culture and Community

Collaboration and innovation are woven into the fabric of our corporate culture. Olympus attracts and brings together the best and the brightest people in their fields. Our employees are not only highly capable in their own fields, but strive to leverage each other’s experience, skills, and expertise. We take pride in the diversity of our workforce and the knowledge and ideas that come from people of different backgrounds.

Olympus is committed to enhancing the personal growth of every employee and the communities in which we live and work. We support our employees through continuing education and professional development. We support our communities through outreach programs including food drives, planting trees, and donating to initiatives that bolster our neighborhoods.

Olympus is a member of United Nations’ Global Compact, a pledge to the international community to align our operation with universal principles of human rights, sustainability, and responsibility.