



WHERE **INNOVATION** MEETS **AUTOMATION**®

www.olympus-controls.com



AUTOMATION EXPERTISE. RIGHT NOW.

The Challenge: Today's manufacturers and machine builders are leveraging automation technologies to design new and improved machines, to help them control production costs, to improve product quality and to provide the flexibility to change as market needs change.

For manufacturers and machine builders, an effective machine automation strategy is the key to unlocking hidden profits and maintaining a competitive advantage within the marketplace.

The Problem: The decision to implement or upgrade an automation system can be a challenging and expensive proposition because organizations often lack the in-house engineering expertise and corporate resources to address their automation needs efficiently and cost-effectively.

You are expected to develop solutions faster, keep capital investment to a minimum, design systems to expand and adapt at low cost, and foresee changes that may affect your operation. And, if you are like most of us, you work to accomplish this with a downsized engineering staff, an overload of information, and the constant pressure to do more with less.

The Solution: What if you could add an expert Automation Team to your staff only when you need them? Our Engineers serve as consultants and valued business partners to our clients. They become virtually part of your staff – a dedicated team of automation experts who research, design and implement the right system for you.

Our Automation Team is intended to extend and complement your in-house Engineering Staff. Use us as your "Temp Team" only when and where you need additional expert resources to expedite your next machine design.

The Result: Focus your Engineers on your core business competencies and let our Team provide the resources to design, develop and support your next automation project. Beat your competition to market on your next product or equipment release by utilizing our talented staff.

Our Automation Team consists of a cross-functional group of Engineers with multiple disciplines – mechanical, electrical and software design. These multidisciplinary skill sets allow our team to take a holistic approach on each project and collaborate on every aspect of the design to ensure that no detail has been overlooked.

"Olympus Controls has always shown a dedication to quality and service. Whether working to improve existing systems or designing fully integrated applications, I would recommend reaching out to them for your next automation project."

Tool Owner - Intel, Olympus Controls Customer



DESIGN COLLABORATION

Olympus Controls is an Engineering Services company that specializes in Machine Automation. Our clients often have specialized, proprietary needs that no standard “off-the-shelf” product can meet. That’s where we come in. We help our clients with the ideation of cost-effective solutions and then collaborate with them to deliver the mechanical, electrical and software pieces that take their solution from concept to reality.

Olympus Controls offers the unique option of letting our clients choose how involved they want us to become in their design process. Our *selectable levels of Design Collaboration* provide “perfect fit” solutions for OEMs, Machine Builders, Integrators and End-Users.



Motion Control



Machine Vision & ID



Robotics

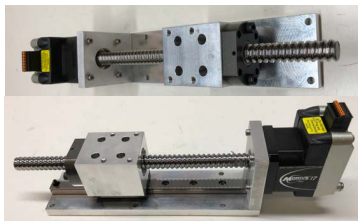


Industrial IoT



Components

Engage our *Automation Team* to help specify the component-level technologies that are the foundation of any automated system. If you have the experience and capability to do it yourself, our innovative and easy-to-use products will help you expedite your next machine design.



Assemblies

Break down your machine design into smaller mechanical or electrical sub-assemblies and pass on the integration responsibilities to our in-house *Assemblies Team*. This outsourced design/build service allows you to leverage our technical expertise in the design areas where your internal team needs more specialization.



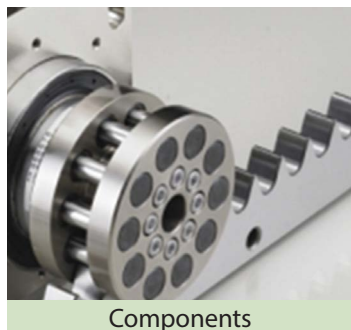
Engineered Solutions

Outsource the design and fabrication of your entire project with our *Machine Design Team*. Olympus Controls’ experienced Mechanical, Electrical, Software and Project Management specialists ensure the success of your complete system. By utilizing our extensive product portfolio, we have experts in every product that is implemented. Olympus Controls limits applications to strategic clients with multiple builds where we can apply our specific expertise and detailed knowledge of the products and technologies required for success. We partner with quality integrators for expanded expertise in particular industries and geographies. We can also consult and help you find the right integrator partner to complete your application.

MOTION CONTROL & SENSORS

Machine performance is much more than just a simple feeds-and-speeds specification. It's the confidence that your machine will perform as expected in a way that consistently outperforms your competition. For nearly 20 years, Olympus Controls has helped our clients design and build motion-centric machines. Let us apply our knowledge and expertise to your next machine design.

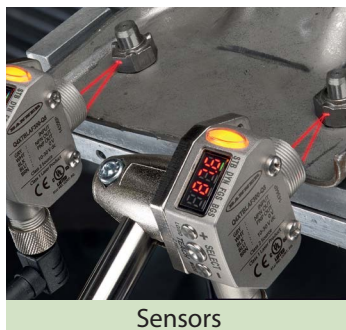
Our many years of experience have nurtured a product offering that represents the top one or two manufacturers in each product technology, in terms of price-performance value, quality, reliability and serviceability. We are proud of our innovative product offering and our longstanding partnerships with suppliers who share our commitment to total customer satisfaction.



Components



Gearheads



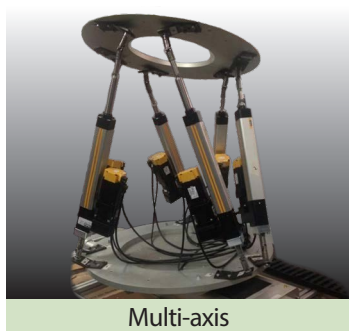
Sensors



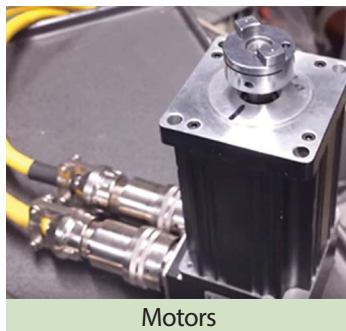
Actuators



Stages



Multi-axis



Motors



Smart Motors



Amplifiers



AC/DC Drives



Controllers



Safety



MACHINE VISION & iD

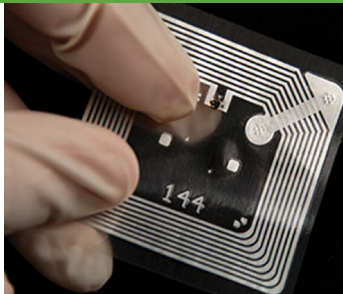
With the increased demand for track-and-trace information, supply chains require knowing where your product has been, where it is right now and where it is going. 1D Barcode and 2D Data Matrix are used to capture and read data to track and identify parts throughout the supply chain. Machine Vision is the technology and method used to provide imaging-based automatic inspection and analysis for such applications as automatic inspection, gauging and robot guidance.

3D Machine Vision is rapidly becoming an essential enabler to ensure quality and process control in many applications that are impractical with traditional 2D approaches. Structured Light 3D scanners digitize point cloud data from targets by projecting several light patterns in a rapid sequence onto the target with a single snapshot. Our team has the experience and expertise to help integrate 1D, 2D and 3D vision solutions.

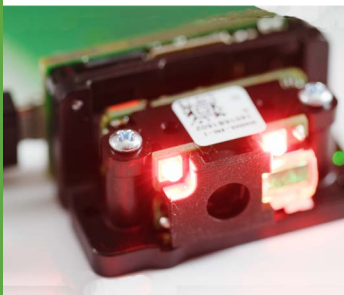
IDENTIFICATION



1D / 2D



RFID

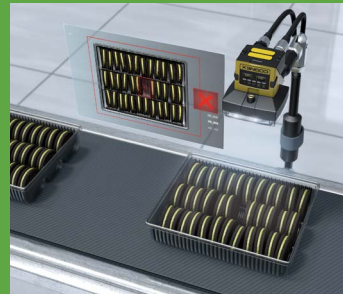


Vision & iD Engines

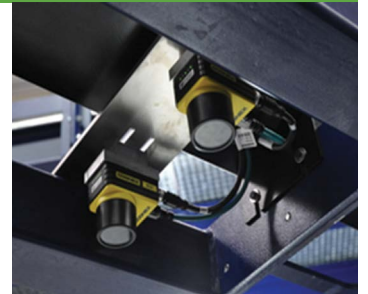


Handheld

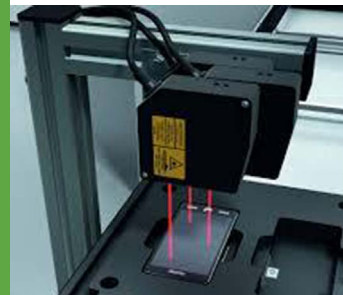
VISION & MEASUREMENT



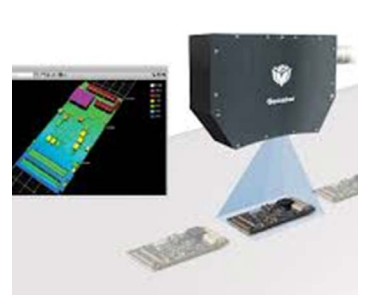
Smart Sensor



2D Machine Vision



Distance Measurement

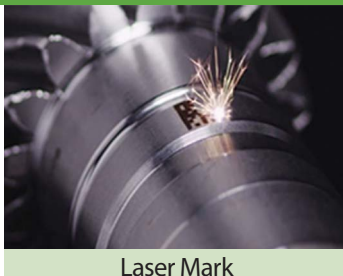


Structured Light

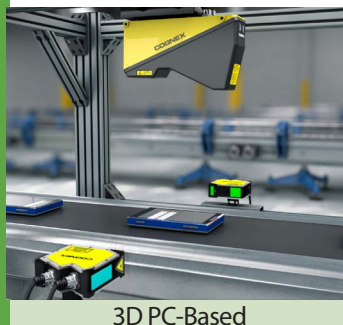
MARKING



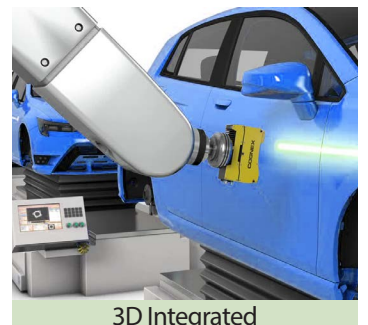
Printing & Labels



Laser Mark



3D PC-Based



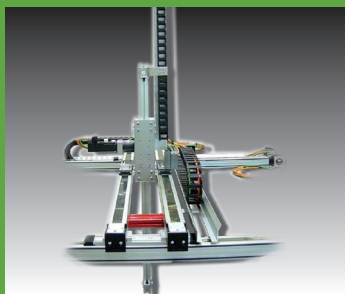
3D Integrated

ROBOTS & ACCESSORIES

Part of Olympus Controls' role as a solutions provider is to help our clients stay ahead of their competition by searching the industry for disruptive technologies and assisting in their integration. This intellectual network guarantees that we can offer robotic solutions with feature sets and performance advantages that no other single robotic company is capable of matching.

We have assembled an industry-leading collection of industrial, collaborative and mobile robots that can tackle any size project. We have the design expertise to help you integrate these robots into your in-house application or you can outsource the design and build into one of our custom robotic workcells that fit your exact manufacturing needs.

ROBOTS



Cartesian



SCARA



Collaborative



Mobile



6-Axis



Delta

ACCESSORIES



Conveyors



Grippers



Torque Sensors



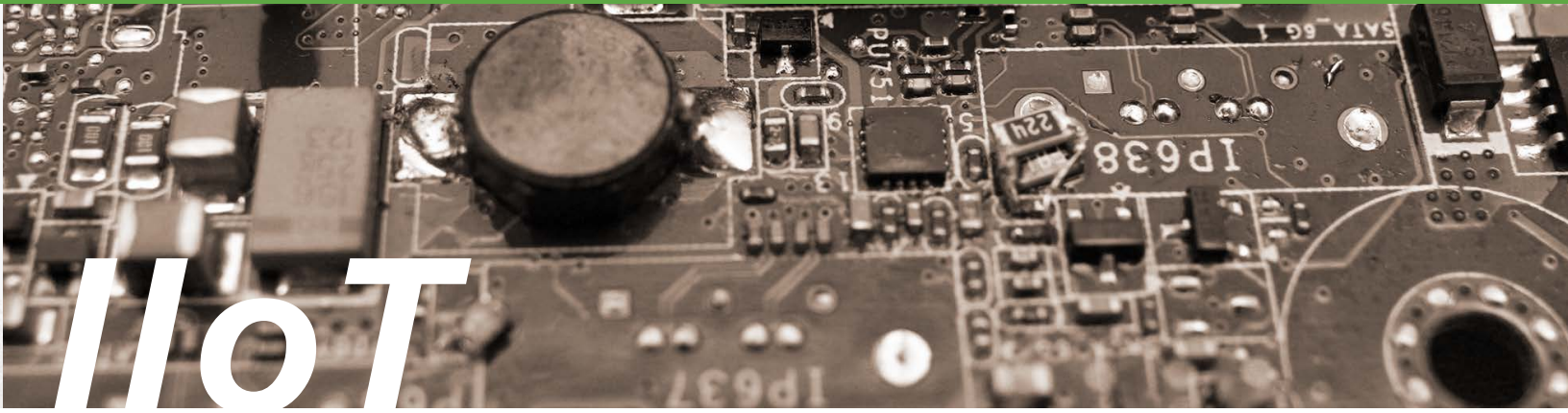
Vision



Feeders



Enclosures

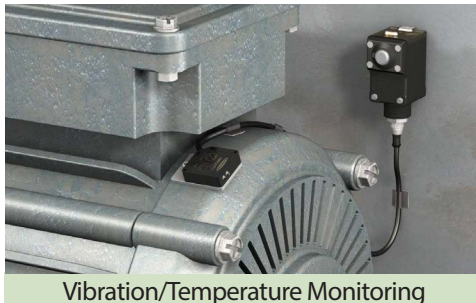


Olympus Control's cutting-edge product portfolio ensures superior performance for industrial IoT applications. Our solutions take connectivity to the next level by expanding communication and collaboration between various devices, technologies, systems and protocols. We help you drive productivity and cost reduction through network convergence from the edge to the core.

Remote automation offers fast and seamless data transmission and SCADA response. Industrial computing and networking/wireless enable seamless data aggregation, analytics and reporting. Industrial Ethernet and WLAN solutions offer leading performance and reliability to achieve maximum efficiency for wired and wireless connectivity. Device connectivity bridges legacy serial, fieldbus and Ethernet devices.



Industrial PCs



Vibration/Temperature Monitoring



Ethernet Switches & Routers



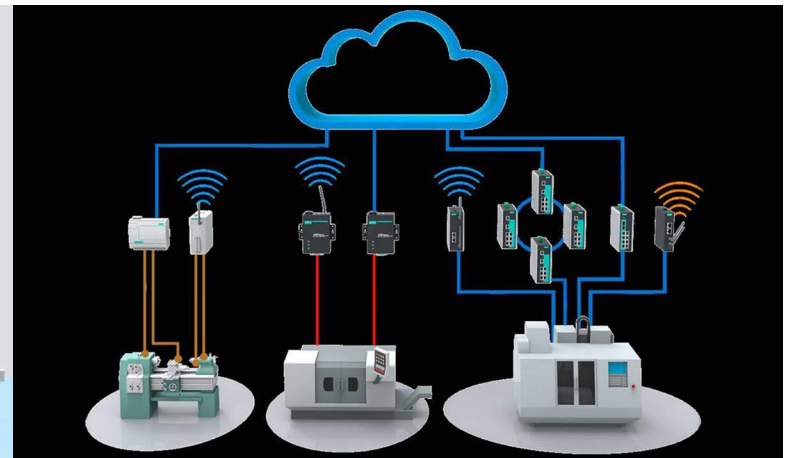
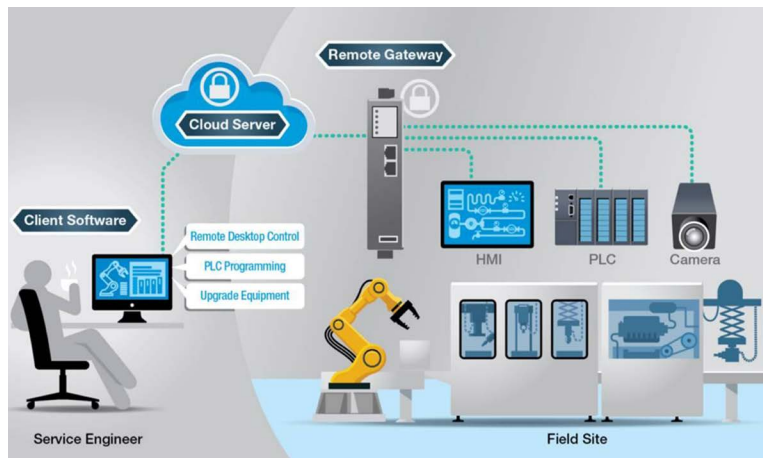
Gateways



Remote Data Access



Remote I/O



Contact us for more info!

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