QUBBER
INDUSTRIAL INSPECTION SYSTEMS

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SYSTEMS

A vision you can trust

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INDUSTRIAL INSPECTION SYSTEMS

Who we are

QUBBER is an innovative technological company founded in 2005, fully specialized in the designing and manufacturing of Integrated Industrial Inspection Systems, for quality control in ongoing production or at the end of the production line. The technological excellence of our inspection systems, their high cost-benefit ratio and above all, the honest and sincere relationship with our customers are the factors that make us stand out.

Research - Innovation

At QUBBER, we believe in growth through research and innovation. This is why we are continuously investing in our R&D department, in terms of both logistical infrastructure and staffing by inspired engineers, who pursue challenges and question convention. The result of this effort is QUBBER EYE–Q, the most technologically advanced Machine Vision System that provides a holistic approach to:

Vision inspections, Automations, Digital Networking, Data Analytics

Hybrid approach

In our systems we can combine rule-based and artificial intelligence (AI) machine vision algorithms. This hybrid approach leverages the strengths of both technologies and solves challenging inspection applications.

What we have achieved

Over the years, we have laid the framework for an entire range of Industrial Inspection Systems to address many of the actual problems facing the modern food and beverage, cosmetics and pharmaceutical industries. Thanks to the amazing flexibility of the QUBBER EYE-Q technology, we are also able to provide solutions for optical inspections in virtually all industries.

EYEQ
TECHNOLOGY

Our vision

In the future, we will continue expanding our series of gifted Industrial Inspection Systems, aiming at satisfying the industry's demand to reduce the need for human interaction in manufacturing, for product safety and increased line efficiency.
In this way, we hope to become known as an established, reliable Industrial Inspection Systems associate to an increasing number of companies throughout the world.

Inspection solutions from QUBBER are firmly established in many sectors

| Water and Beverage | Food | Pharmaceutical | Consumer |

Our product portfolio

We supply industry with state-of-the-art inspection systems, based on high performance industrial computers, easy-to-use software, hi-res cameras, long-life LED lighting, powerful automation unit and accurate rejectors.
Our systems are extremely flexible, as they are designed with a modular approach. To meet specific customer needs, we can expand our standard systems and offer bespoke solutions. In any case, we can run tests with products and give the analytical inspection performance.

Unique features:

- Modular approach
- Rule-based and Artificial Intelligence algorithms
- Powerful interfaces
- Quick changeover through motor activated adjustments
- Upgrades

Full container			Empty container	
ATRAX PET/ Glass bottle inspection	**i-GLASS** Glass bottle inspection		**VIEWMAX** HDPE inspection	
Q-SPRINT Printing can inspection	**Q-PHARM BLA** Blister inspection	**Q-PHARM CRA** Collyrium inspection	**i-CAN** Empty can inspection	**PLUS-E** Rim defects inspection

Q-FLEX Distributed-camera vision system

Olive color sorter Olives sorted by color

Rejection devices

ATRAX 360 inspection system for filling lines

The ATRAX 360 inspection system belongs to our sophisticated multi-camera ATRAX series for full container inspection, plastic and glass. With a 360-degree closure inspection even the tiniest defect is detected, thus ensuring the end customer safety and brand protection.

The main unit incorporates full perimetric closure inspection and fill level detection, while extra modules implement X-ray fill level detection, PET preform inspection, closure color/logo/foreign body inspection, label inspection, printing reading with OCR/OCV technology, barcode verification, metal detection and full case inspection.

All ATRAX series systems can be enriched, among many others, with the following features:

- Deep Learning algorithms
- Tethered cap inspection
- Foam compensation
- IP 65 protection
- Up to 85.000 pph
- Capper heads and filler valves management
- Sampling function
- Auto calibration function

Modular design

QUBBER provides a wide array of optical modules, ensuring full coverage of inspection needs across an entire filling line.

Every single one of these modules can work as standalone unit or as expansion module networked to ATRAX main unit.
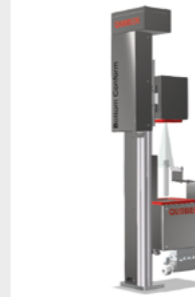
Full case inspection system FCI

With real time 3D imaging it manages to overcome challenges like colored shrink film or differences in brightness.

Fill level detection system X-LEVEL

By using X-rays it creates an image and detects both low and high level in opaque packaging.

PET preform inspection system Q-CONFORM

Bottom, inner sidewall and seal inspection, installed inside the blow molding machines.

Wrap-around label inspection system Q-LABEL WRA

Designed for installation inside the labelling machines.

Metal detection system BK-200/400

Metal detection, inox tubes or small metal pieces on-belt or inside the filler.

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Q-FLEX inspection system for distributed-camera configurations

The need for distributed optical inspections around the factory lines has been the primary target when developing the Q-FLEX system. Advanced manufacturing practices also require networking capabilities for data transfer, recording and reports creation, and that's what we have also achieved.

The Q-FLEX optical inspection system can combine all kind of optical inspections, such us:

- Surface defects
- Assembly errors
- Shape and position
- Label inspections
- Color consistency
- Dimensions measuring
- Printings reading with OCR/OCV
- 1-D barcodes and 2-D matrix codes reading

It is ideal for food, pharmaceutical and consumer products industries.

Our engineering team works with our customers to help define all the application requirements.

Highlights

- Stainless steel constructions designed according to specific line requirements
- Monochrome, color and 3D industrial cameras (up to 10)
- One central processing unit
- Special LED lighting for Machine Vision applications
- Extensive set of reliable vision tools (Rule-based and Deep Learning)
- Ease of use
- Expandability and long-term updates

Module for expiration date inspection

Variety of technologies and options

Artificial intelligence (AI) visual inspection

By combining AI visual inspection with QUBBER EYE-Q technology we can automate and scale inspection applications that, until now, were too challenging for traditional machine vision. Defect detection on glass or aluminum, assembly verification of electronic parts, products classification and reading of poorly marked characters are just a few of the many inspection applications we can now address.
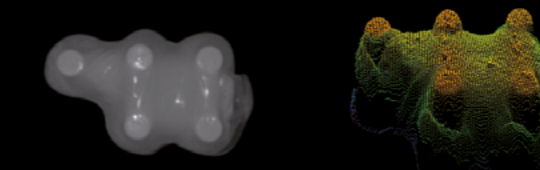
3D imaging

In our optical inspection systems we can integrate 3D cameras to perform a variety of challenging functions like surface inspection, measurement of distances and volumes, counting the number of products in a carton or tray and detecting of missing pieces.

Q-REPORT software for data analytics

Qubber facilitates decision making, by providing analytic production reports. Just select the period of time you wish and easy-to-read comprehensive reports will be created. By analyzing this information, manufacturers can solve production problems and improve the product safety. Q-REPORT is accessible by any computer in the LAN. All QUBBER inspection systems can be optionally offered with Q-REPORT software.

Data exchange

OPC UA provides the necessary infrastructure for exchanging data between our vision system computer and the enterprise.

Rejection devices

QUBBER rejection devices ensure complete compatibility with its optical systems. They guarantee the removal of non-compliant products combining unique features, such as robustness and reliability, operation in high-speed lines, pneumatic and electric operation.

A vision you can trust

For more than 15 years, QUBBER has been manufacturing innovative inspection systems that help industries to improve the product safety and production efficiency, while keeping staff engagement to a minimum. We work with you to create the most effective inspection solution for your business.

With an exceptional quality, the highest cost-benefit ratio in the market and an experienced team of engineers standing beside you throughout the entire life cycle of our systems, we are your trusted partner.

Services

- Installation
- Commissioning
- Maintenance
- Upgrades
- Technical support
- Training courses

CE certification

ISO 9001:2015

Installation, Operational, Performance Qualification

SAFE PLUS

24/7 Support

Qubber Industrial Inspection Systems
106 Diminiou str, 38500 Dimini Volos, Greece
Tel.: +30 24210 90165

Email: main@qubbervision.com
www.qubbervision.com

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