



QUALITY CONTROL AND ASSURANCE IN THE GLASS PRODUCTION

## FULL-SERVICE: FROM CONSULTATION TO DEVELOPMENT

*We provide Quality-Assurance-Technology and consultation to the leading manufacturers in glass production.*



cibite is one of the **leading companies in the area of quality assurance for the glass container production**. We offer a level of quality assurance that is unsurpassed on the market, due to **our patented technology**. For this reason our products are used by different companies like Emhart, the market leader in the area of container glass production systems.

Our product palette covers the entire spectrum of quality assurance in the glass production area and is suitable for:

- containerglass
- flatware glass
- solar glass
- medical glass etc.

Because of our **expertise in quality assurance in glass production**, we offer a **team of experts** ranging from physicists to engineers that can find solutions to your QA problems. Our spectrum of services includes the development from electronics to the

realization of complete systems. We develop the mechanical construction as well as the electrical wiring system. From the programming of the software to the worldwide installation and set up of the systems at your client – cibite is your service provider you can count on.

- Many of our testing **techniques are patented**, which provides you with a technological advantage over your competition.
- We can build on existing solutions and systems, that can be modified and adjusted to suit different needs, which **reduces development time** and costs
- Since we produce our sensor and systems already in larger quantities, we can offer them at a much better price. **This provides you with a competitive edge** over your competitors.

We offer a good and competent team of specialists, engineers and physicians, with years of experience in this field.

Quality Assurance Systems for glass manufacturing



Our Sensors are suitable for container, flatware, solar and medical glass ware.

**If you are interested in using our quality assurance technology in your glass production systems, please contact us. Benefit from our experience and save the cost of your own research and development department. We are looking forward to the opportunity to present to you the advantages of a partnership.**

# A COMPLETE RANGE OF PRODUCTS FOR QA

*cibite offers every component for a complete quality assurance system.*



Quality Assurance Systems for glass manufacturing

**cibite is the leading supplier of quality assurance systems** for the glass industry. As a specialist in this sector, we offer a wide range of ready-made solutions that can easily be modified for the different production types. We provide a complete set of products, from sensors to software and testing equipment:

- Our quality assurance equipments are an integral part of our production systems and include complete electronics and mechanics.

- The flexibility in our system is based on patented sensors, which we offer for every kind of glass type and form.
- **Our control software runs on Windows-Computers as well as on iPhones, iPads, Androids and W7 phones.** Through WLAN, this information is accessible from everywhere in your facility — a novelty in this field.
- To ensure and guarantee optimal performance of your sensors and systems, we developed testing equipment that is optimized for our products.

No other company in the area of quality assurance for the glass-producing industry can offer you this!

Contact us so that we can discuss with you the benefits of a technological partnership.



The cibite components

## CIBITE QA-SYSTEMS

*We support you with our QA-systems in the area of container glass, flat glass, solar glass and medical glass.*



Quality Assurance Systems for glass manufacturing

### LIS V2 DSP Quality Assurance for V2

cibite is the leading provider for quality assurance system in the glass production. With the LIS V2 DSP, we are offering a system, which is optimized for the testing of container and medical glassware. The LIS V2 is a 16-channel quality assurance system that is easily extendible to 27 channels.

Due to our patented technology, the LIS V2 is unsurpassed in the level of accuracy, speed and performance. Equipped with up to seven inspection types that can be performed in a single process, the LIS V2 sets the standard.

### LIS V3 DSP Quality Assurance System

cibite is one of the leading manufacturers of quality assurance equipment for glass production systems. Emhart, the leading



Two of our 16 channel controller units for your quality assurance systems.

done entirely optical to avoid any unnecessary contact and contamination.

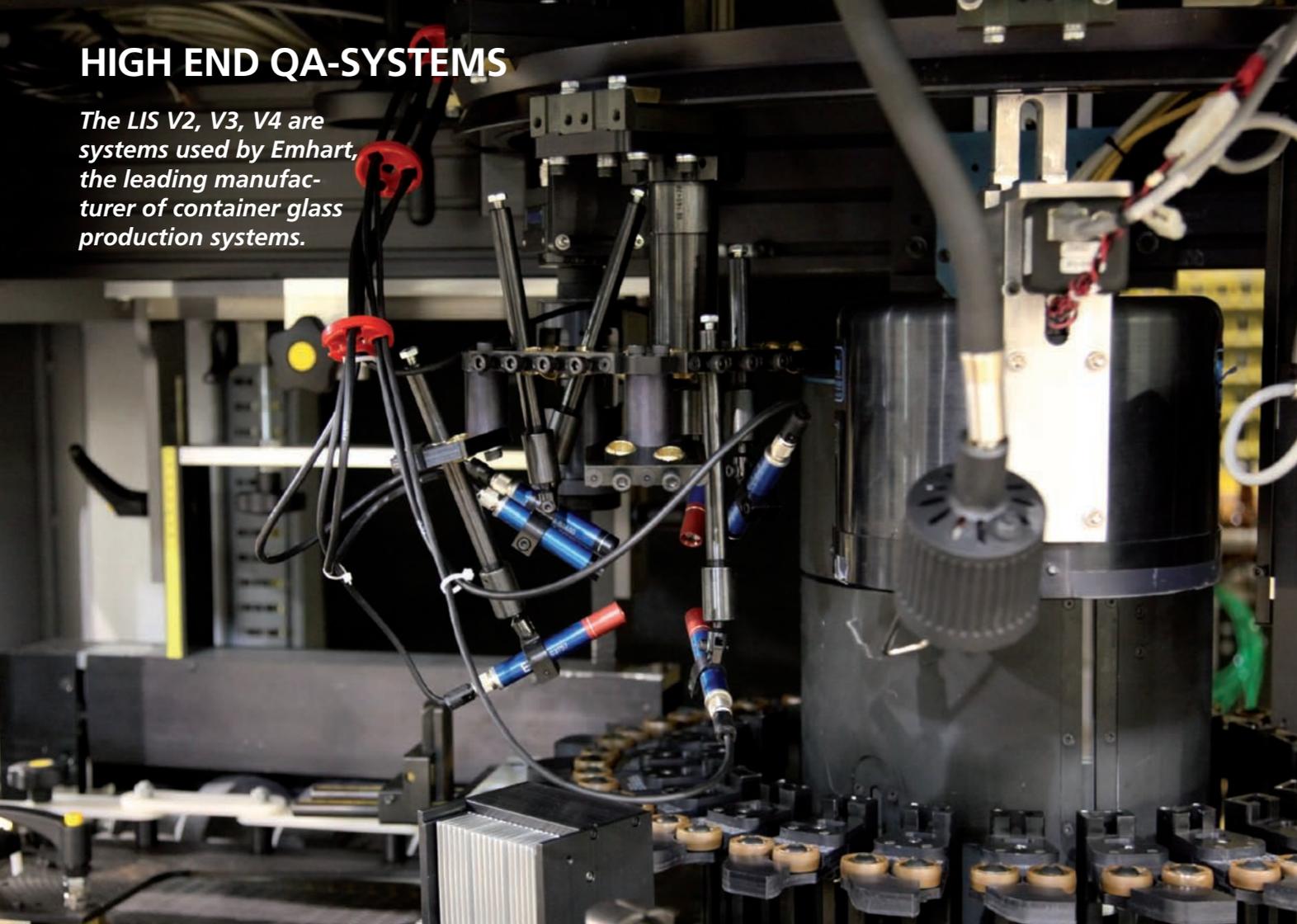
manufacturer of container glass production systems, uses our products. For the FlexT-Systems of Emhart, we offer for example the LIS V3 DSP quality assurance system. Based on our patented technology, this system can be customized to work with 16, 32, 48 and even 64 channels. Because of this large number of channels, it is possible to test even complicated glass containers in one go. The testing is

The LIS V3 DSP quality assurance is a reliable and flexible configurable machine that is easily extendible. The System offers flexibility for all your current and future needs.

Even Emhart, market leader in the container glass manufacturing field, uses our systems since 2004 as an integral part of their product line.

## HIGH END QA-SYSTEMS

*The LIS V2, V3, V4 are systems used by Emhart, the leading manufacturer of container glass production systems.*



### LIS V4 HF DSP Quality Assurance System V4 HF

The LIS V4 HF DSP Quality Assurance System V4 HF is a new test system using high frequency technology to reduce the effect of the environment (like for example stray light) on the testing. This allows setting up the equipment more flexible, with fewer limitations due to lighting conditions.

The system can be extended from 16 channels to 32, 48 or 64 channels, which allows even complicated containers be tested in one go. Because of the visual testing, contaminations of the containers are reduced to a minimum.

Based on our patented technology, that is still unsurpassed in the market, our systems can be adjusted and configured to test also flat glass, solar glass and medical glass.

The LIS V4 HF DSP is a reliable and flexible configurable unit, that allows additional

Quality Assurance Systems for glass manufacturing



### Finish Check Sensors

control and functionality when needed. It is suitable for all demands of the glass manufacturing industry.

### LIS ECO DSP Quality Assurance System ECO (NEW)

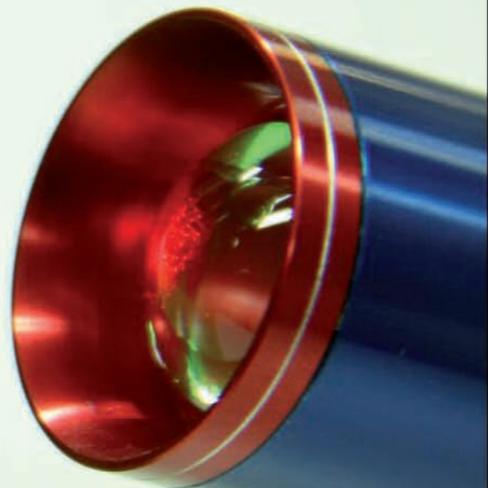
The LIS ECO DSP Quality assurance system provides all standard tests in an 8-channel unit. Due to the compact and efficient construction, the ECO is affordable in its acquisiti-

on as well as its maintenance. This system is in particular suitable when the testing needs are basic, but without compromise to the quality of the testing. Like all our systems, the LIS ECO DSP quality assurance system uses our patented testing methods that are unmatched in the market.

If you are a manufacturer of glass production equipment, we would like to talk to you about the benefits of using our systems.

## SENSOR TECHNOLOGY

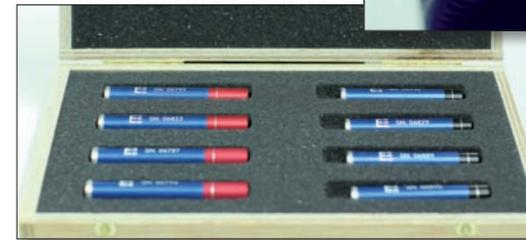
*Based on our patented technology, our sensors, products and test equipment is suitable for a wide spectrum of quality assurance: container glass, flat glass, solar glass and medical glass.*



The quality and efficiency of quality assurance equipment is in direct relation to the optical sensors. We have a wide range of sensors that can easily be modified to fit your need. To ensure that our sensors work perfectly, we even provide a range of special testing equipment that is custom build for our sensors. And should one of our sensors become defect and needs to be replaced, our calibration tools will make the exchange and the set up a breeze. We provide you with:

- Defect Kit for Mini Ware
- Defect Kit for Huge Containers
- Bottom Check Kit
- Heel Check Kit
- Body Check Kit
- Shoulder Check Kit
- Finish Check Kit
- Mold Reader Kit
- Lean Kit
- Out Of Round Kit
- Defect Kit for Containers
- Alignment Tool Kit
- Alignment Tool Kit with Display

**Our Mold Reader Sensor is just one of over 16 sensors that works with our QA-Systems.**



- Wall Thickness
- Flatt Glass
- Solar Glass

### Test Equipment for Sensors

Sensors and testing equipment are under a lot of stress and a quality assurance system can only perform as well as the sum of its components. To ensure 100% accuracy, we developed a variety of test equipment that is optimized for our products. This includes

Quality Assurance Systems for glass manufacturing

test equipment for our sensors, our quality assurance system and the control units.

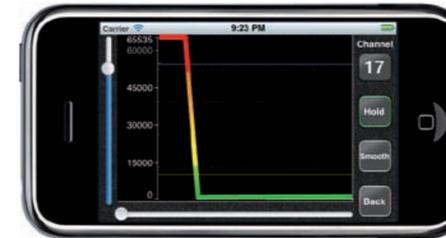
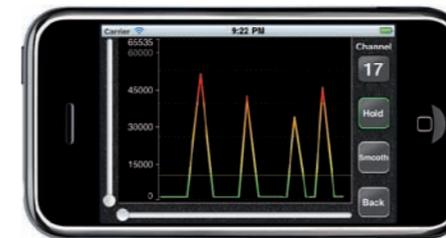
**Save on development cost and production. Use the advantage to build on tested and proven technology for your glass production systems. Contact us so that we can discuss with you the benefits of cibite as a technology partner and provider of quality assurance equipment.**

# INNOVATIVE SOLUTIONS FOR MONITORING AND CONTROLLING QA-SYSTEMS

*cibite: The innovator in the field of quality assurance leads also the way in controlling and monitoring QA-Systems.*



Quality Assurance Systems for glass manufacturing



Monitor the quality assurance system from any place of your factory floor with the iPhone and iPad Application.

The ease of use and user friendliness is crucial when it comes to **monitoring and controlling quality assurance systems**. For that reason it is important to us to find innovative solutions. Two other companies that are known for innovation: Apple Computers and Google. The success of the smart phones like the iPhone, Android and Windows 7 phone are based on the intelligent and simple user interface.

We build on the success of these companies and products by **offering software for our systems that runs on all platforms (iOS, Android, W7)**. This approach is in many respects groundbreaking. Because the hardware (iPhone, iPads, Android mobile devices) are already designed for mobility, our glass production quality assurance systems can be monitored and controlled

**remotely from any location in your facility with a WLAN connection.** In the daily production this can be of tremendous value because your supervisors and operators don't have to be standing at the hardware to diagnose a problem. Besides the benefit to the usability of our products, it also greatly speeds up your work flow.

## A TECHNOLOGY PARTNER FOR THE FUTURE

*cibite is constantly investing in its technology and development. Take advantage of this by partnering with us.*



Quality Assurance Systems for glass manufacturing



cibite is your technological and strategic partner when it comes to quality assurance in the glass production. Our products can be modified and adjusted to suit your needs, our patented technology gives you the competitive edge. Take advantage of our team of experts and our know how. Contact us today.

***visit [www.cibite.ag](http://www.cibite.ag) for more information***



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cibite is a registered trademark

## **YOUR TECHNOLOGY PARTNER FOR QUALITY ASSURANCE IN GLASS MANUFACTURING SYSTEMS**

The quality assurance by cibite are used world-wide by companies. Please contact us to find out more about the benefits of cibite as your technology partner for quality assurance in the glass production.