



# IRIS NEWSLETTER

2021 - #1

## 2021 – NEO ACCEPTANCE HELPS MARKET SHARE PROGRESS

Despite the adversity of the Covid-19 recession IRIS Inspection machines has recorded an 15% progression of market shares.

This significant increase was made possible by the success of the NEO Machines and the mobilization and the adaptability of the IRIS team. “Facing a crisis, we are forced to innovate” says Jean-Luc Logel, CEO of IRIS. Local IRIS service at proximity, remote installations, videos, new digital tools, are all innovative methods that helps IRIS to successfully maintain the worldwide service in these challenging times. In 2020, NEO machines have been successfully installed worldwide and in particular in countries like Germany, Russia, Brazil, Italia, Ukraine, Spain, Taiwan and India...

## WHEN GLASS INSPECTION MEETS THE LATEST DIGITAL TECHNOLOGY

Since the creation in 2002, the integration of digital technology has been essential to IRIS's development. IRIS inspection solutions are non-contact and equipped with latest generation of cameras, lenses and light sources. They are **artificial intelligence based** and feature **self-adjusting** and **self-learning** characteristics, including automatic recognition of glass defects.

IRIS invests more than 15% of turnover in research and development and its state-of-the-art inspection solutions incorporate advanced software and optics. The approach adopted by IRIS Inspection machines is to deliver systems that **comply with the ‘smart factory’ of the future**. IRIS motto is to spread the benefits of the most innovative technologies to all glassmakers. Therefore all software innovations are **shared among existing and new customers** alike. This approach is described as an essential component of the company's DNA.

Achieving 95% of sales outside of France, IRIS is an international team of engineers, developers, draftsmen and technicians speaking altogether 17 languages. Thanks to a network of international agents and technical support service centres, IRIS is able to support customers throughout Asia, Europe, the Americas, Africa and Australia.

## MULTI ARTICLE INSPECTION



Up to  
6 articles

In the increasingly competitive world of glass container manufacture, the ability to provide solutions for **multi gob manufacturing on the same production line** is an important benefit. Over the past 13 years, Lyon-based IRIS Inspection machines has developed an important leadership position in the field of multiple article inspection at the cold end.

Since completing its **first multi equipment installation in 2008** for a leading German glass container factory, the non-contact inspection solutions specialist has delivered **more than 30 projects to customers** in such countries as the Czech Republic, Croatia, France, Germany, Italy, Mexico, Slovenia, Spain and Ukraine. Customers include such well-known glass packaging groups as **Verallia, O-I, Saverglass and Vetropack**.

The IRIS technology delivers complete turnkey mechanical and software cold end solutions, enabling customers to handle up to six different items at the same time. Precise ware recognition and inspection is provided using a single Evolution 12 NEO machine. This solution also benefits from **NEO intelligence**, an innovative defect approach that relates to **defect identification and classification**.

Secured via stable and reliable conveying equipment, this compact and cost-efficient solution is widely adopted to validate quality requirements on **different article shapes and colours**. This IRIS all-in-one solution responds to the industry's key player demands to deliver flexible, high quality glass packaging.

## LONG-TERM PARTNERSHIP SUPPORTS PHARMACEUTICAL GLASSWARE INVESTMENT IN THAILAND

**As the pursuit of successful vaccines to control the spread of the global Covid-19 pandemic intensifies, demand for specialist pharmaceutical glassware to package these critical vaccines has required glass manufacturers throughout the world to create or boost their manufacturing capacities accordingly.**

Few industrial sectors have such stringent quality requirements as the pharmaceutical industry and to meet these exacting specifications, IRIS Inspection machines and its innovative ware inspection technologies are available to support the world's specialist pharmaceutical glassmakers to meet these challenges.

Among the companies to have accepted this challenge is Thailand's **Wellgrow Glass Industry Co Ltd (WGI)**, an established independent producer of **high quality glass bottles for the pharmaceutical and cosmetics sectors.**

Located in Chacheongsao Province, some 50km east of Bangkok, WGI has more than 18 years' experience in the international glass container market, having successfully created extensive capabilities to make an established portfolio of products in flint, high flint and color glass on its **12 production lines**, primarily to satisfy the needs of local customers.

Just 15 years ago, WGI's manufacturing capabilities comprised a single melting furnace and five production lines but as local demand for its specialist output has steadily increased in the intervening period, the need for additional manufacturing capacity has also grown gradually.

In support of the glassmaker's business expansion initiatives, close working relationships have been established with many leading international technology suppliers. This includes a **mutually beneficial long-term partnership** with the non-contact inspection solutions specialist, IRIS Inspection machines. Since ordering its first two Evolution 16 inspection machines in 2005, Wellgrow has worked closely with the IRIS team to improve and maintain the quality of its output. Today, the glassworks features **three furnaces and 12 production lines** and the factory's IRIS inspection equipment has been the subject of extensive investment and modernisation to support these investment initiatives.

The hardware and software for all machines has been upgraded and converted to the **latest Evolution NEO technology**, making it capable of operating like brand new, smart inspection equipment. All production lines now feature the IRIS body inspection solution, with some lines also benefitting from the **Evolution DIM dimensional inspection machine.**

The innovative ware inspection technologies available from IRIS Inspection machines are continuing to support the world's specialist pharmaceutical glassmakers to meet the challenges posed by the Covid-19 crisis. In Thailand, for example, the longstanding partnership between WGI and IRIS Inspection machines has benefited both parties. **Based on mutual trust and a belief in the advantages of business co-operation**, this successful relationship is expected to continue long into the foreseeable future.



Mr Udomsak Tangsaksathit, General Manager of Wellgrow Glass and Mr Jean-Luc Logel, CEO of IRIS