



Heye Newsletter II, 2020

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- HIGH FLEXIBILITY WITH THE HEYE MULTI WEIGHT FEEDER

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- WE CAN. WE DO. YOU BENEFIT: HEYE'S COLD END TECHNOLOGY

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- SUCCESSFUL REMOTE INSTALLATION OF IS MACHINE IN THAILAND
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DEAR CUSTOMERS AND FRIENDS,

We all look back on a challenging time that pushed us in a direction nobody of us could imagine earlier this year. Our thoughts are with those, who lost a dear one due to this pandemic and we have some in our community. The progress in vaccine availability brings hope for the forthcoming year 2021.

We at Heye found new approaches to keep supporting your business in times, when travel restrictions prohibit personal contact and on-site consultation. In the course of this year we realised several remote installation projects with our expert team here in Obernkirchen, our local partners and strong customer teams. Although personal contact cannot be replaced by any remote control, this digital achievement

successfully provided support for your necessary projects.

As this turbulent year is coming to an end, let me thank you for your trust in our professionalism and expertise. For 2021 we hope that we will meet personally again and that the 'normal life' may come back to all of us soon.

Yours,
Dirk Pörtner

SUCCESSFUL REMOTE INSTALLATION IN THAILAND



When machinery and equipment is to be installed, our Heye experts travel around the world – usually. But what is still „usual“ and „normal“ these days? We are all longing to return to the good old times when terms such as „social distancing“, „home schooling“ or „travel restrictions“ did not determine our lives. And yes, we WILL get back to these glorious times one day. But this requires patience and stamina – and new ideas and steps in the meantime.

So we are very proud that again, Heye experts - in cooperation with a great customer's team on site - successfully installed and commissioned an IS-machine via [REMOTE ACCESS](#).

The 8 Sect. 5inch DG IS-machine (overhauled) runs NNPB operation and produces lightweight juice bottles.

This project was accomplished remotely with Heye experts' knowledge in Germany and powerful performance of the L. Lighting Glass team in Thailand. Our thanks also go to our local partner in Bangkok who tremendously supported the team on-site.

GREAT JOB! COMPLIMENTS TO THE TEAM!

HEYE SWABBING ROBOTS COMMISSIONED IN CHINA



The latest production expansion at one of China's leading beer bottle producers features three [swabbing robots](#) and [Press Duration Control PDC](#) equipment sourced from Germany's Heye International GmbH. The swabbing robots are the first to be installed by Heye in the country.

Shandong Jingyao Glass Group Co Ltd has invested strongly in the high speed production of lightweight bottles in recent years. As well as supplying bottles for China's iconic Tsingtao beer, the company has emerged as an important source for such global brands as AB InBev, Carlsberg, Heineken and Snow Beer.

The glassworks in Linyi City, Shandong Province features four melting furnaces and 16 high speed production lines, with a combined nominal capacity of 1000 tons/day. Some of the world's most advanced Narrow Neck Press and Blow process glass container production technology is operated at the site, including a series of advanced Heye International IS machines and associated equipment.



As part of the company's ongoing investment programme, Shandong Jingyao Glass has worked closely with Heye International to install China's first automatic swabbing robots and to guarantee that machine operators are properly trained to operate the equipment effectively. The robots deliver zero rejects and avoid section stops during swabbing. Compared to conventional swabbing methods, lubricant savings of up to 75% are possible.

According to Heye's Andy Lee, improved operator safety is assured, with stable and repeatable volume, thickness and location of swabbing provided, making more time available for operators to focus on production optimisation. "Installation and commissioning of the three robots and associated process controls was successfully realised in close collaboration with the customer" he confirmed.

Separately, the glassmaker has invested in a [PlantPilot](#) information technology solution from Heye International and initiated a [technical assistance](#) agreement with the production technology specialist to improve and optimise NNPB technology at the site.

GERMAN PLANT UPGRADE FEATURES ADVANCED HEYE PROTECTION TECHNOLOGIES



Ardagh Group's Germersheim glass production facility in south west Germany has been the subject of a substantial investment in recent months. One of the facility's two melting furnaces has been completely rebuilt and as part of associated production shop investment projects, some of the glass container industry's most advanced manufacturing technologies have been purchased. This includes specialist production machinery from Heye International GmbH, one of the facility's longstanding partners.

Germersheim is one of eight plants operated by Ardagh in Germany, located near Speyer, where some 280 people are employed.

An intensive 150 day repair schedule was undertaken to make production more efficient and environmentally-friendly, preparing the Germersheim glassworks for continued successful operation in the future. As well as renewing the green furnace, the batch plant has been upgraded and new NNPB production equipment has been installed. An annealing Lehr has been replaced, as well as the basement cullet return system, while existing supply facilities for compressed air, gas, water and electricity have been either rebuilt or overhauled.

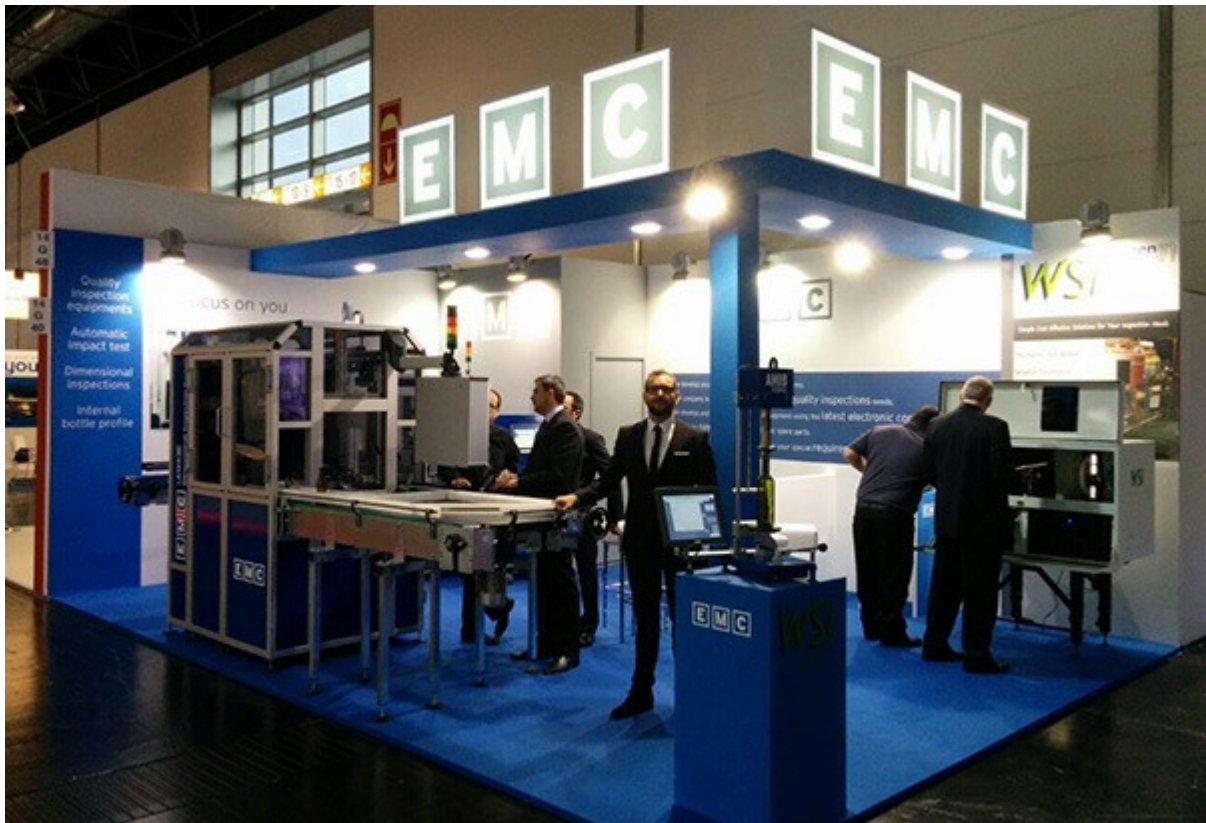
The rebuilt regenerative melting furnace serves four production lines, two of which have been equipped with the latest [SpeedLine IS machines](#) from Heye International. This equipment features the safe, user-friendly, easy-to-clean, flexible and fast [Multilevel security concept](#). It is designed to comply with HACCP standards and employs a modular design for simplified maintenance and service. The use of standardised components reduces the number of spare parts required, while existing machine mechanisms are also reusable.



One of the new IS machines is a 12-section 6 1/4in double gob installation, while the second is a 10-section 5in double gob SpeedLine. The production shop's other two lines feature existing Heye IS machines. The feeders for these lines have been modernised with the latest Heye front plates and spout casings.

Commenting on the successful completion of this project, Stefan Döring, Technical Service Manager for the Germersheim facility, expressed his team's positive response to the working relationship established with Heye International engineers. "There was a very good co-operation with respect to pre-works engineering, FAT organisation, machine installation and commissioning" he confirmed.

NEW SALES PARTNER FOR SPAIN AND PORTUGAL



EMC S.L.L. from Barcelona takes over the distribution of Heye International products in Spain and Portugal with immediate effect. EMC works with all major glass manufacturers on the Iberian Peninsula. They have strengthened customer

relationships over the past few years. Thanks to extensive knowledge of mechanics, electronics and software development, a wide variety of projects in the container glass industry are successfully implemented.

Sales Manager Oriol Gil on the new partnership: "With more than 15 years of experience in the Spanish and Portuguese markets, EMC is an important player in the container glass, food and beverage industries. I look forward to working with Heye and supporting with our sales structure the promotion of its equipment throughout the Iberian Peninsula. Our technical service is able to provide to Heye a quick response on existing problems on site and reduce the time of interventions with our technical knowledge. The Heye products are fantastic, but even better is the way they do business. These two essential aspects have contributed to the fact that we now represent Heye International."

Jens Langer, CCO at Heye International: "With EMC we have gained a competent, strong and experienced partner for the representation and sale of our [SpeedLine IS machines](#) and our [SmartLine2 inspection machines](#). Oriol Gil and his team are not only characterized by their professional competence, but are also highly motivated to tackle this new task and successfully market our system solutions in their home market."

WE CAN. WE DO. YOU BENEFIT: HEYE'S COLD END TECHNOLOGY



Manufacturers need high end quality inspection equipment – since many years Heye has the knowledge and experience in cold end technology. And Heye experts share this knowledge to their customers: In September, Glass International held a webinar

on „Inspection in Glassmaking“, underlining the importance of quality inspection to improve efficiencies and reduce breakages. Heye’s Cold End experts Uwe Schitter and Menander Scheider presented the benefits of the new [SmartLine 2](#):

- Faster job changes due to improved design & easier access
- Usage of existing tooling sets possible
- Enhanced user interface for better usability
- Full data connectivity & easy integration in to existing lines
- Outstanding reliable control to avoid downtimes
- Latest non-contact inspections

RANGER 2 – CAMERA CHECK DETECTION AT ITS BEST

Check detection is one of the most important quality inspections in container glass production.

The HiSHIELD [Ranger 2](#) – integrated into the SmartLine 2 - is fully available in every country.

FULLY MODULAR AND SCALABLE SYSTEM

A recommended configuration would be four parallel systems, each dedicated to and optimised for one of the following types of checks:

- horizontal
- shoulder
- vertical
- bottom.

Each system runs independently and does not need to be synchronised with the others.

INTELLIGENT CLOUD MASKING – SELF LEARNING SYSTEMS

Each Ranger 2 system is using Heye’s Intelligent Cloud Masking (ICM). Bearing in mind that each article is distinctive, the Ranger 2 system is designed to investigate each one independently. Accordingly, it is not necessary to teach the detection system, but each container serves as a time saving reference for itself. Moreover, the inspection zones are dynamic in nature. The Ranger 2 system is therefore able to detect different variations of checks, as well as to recognize new variations of them during production.



EVERY GOB IS USED. NO ENERGY IS WASTED: HIGH FLEXIBILITY WITH THE HEYE MULTI WEIGHT FEEDER

Gobs of different weights can be produced on a single IS-machine simultaneously – also in NNPB



BENEFITS

- Several different jobs per machine
- Samplings are easy to manage
- Short job runs become efficient
- Less downtime to reconfigure IS-Machine
- Fewer machine-wide job changes
- Fewer moulds for each low-volume article

A WINNING TEAM

- Servo dual motor shears
- Servo plunger type 2329
- Servo drive control unit “Simotion®”
- Software “Multi Weight”

ANSWERED BY EXPERTS

Which maximum weight differences can be handled?

In general, assortment production can be realized at a weight difference of 10% to 20%. The lower the basic weight, the better to keep this figure. In the past, multi weight productions with 280 g and 304 g as well as 256 g and 280 g were successfully realized. Today, assortment production with weight differences of over 200 g are possible under certain conditions (e.g. 610 g and 825 g).

GOT CURIOUS ABOUT IT? CONTACT OUR EXPERTS!

MESSAGE IN A BOTTLE

Centennial Light

The Centennial Light is a hand-blown incandescent lamp that was manufactured by the Shelby Electric Company in Ohio in the 1890s. It is a carbon filament lamp that was given as a gift in 1901 to the "Station 6" fire station in the city of Livermore near San Francisco. In 2001 the centenary of the incandescent lamp was celebrated in Livermore.

In 2006 it has been in continuous operation for thirty years since the move in 1976. The main reason for the longevity should be the low power of only 4 W, which corresponds to the luminous flux of a night light for an incandescent lamp. The Centennial Light Bulb Committee provides support and operates a website: <http://www.centennialbulb.org>. On this, the everyday life of the light bulb can be followed live via webcam. The webcam has had to be replaced three times since its inception.