

Heye Newsletter III, December 2017



INTRODUCTION

Dear customers and friends,

As another year comes to an end, we look back at a very busy 2017, with many successful projects. Good collaboration between you, your people and our Heye team is the reason behind this success. Many thanks for being our partners! As times flies by, I wish you some calm and reflective days with your family and friends.

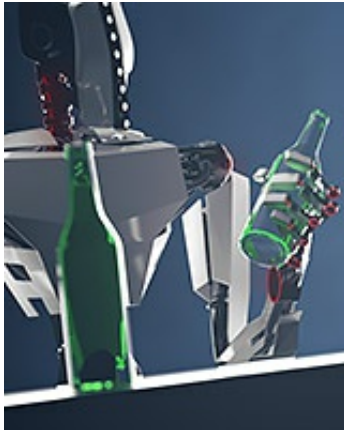
Yours,
Dirk Pörtner

HEYE SMART PLANT PRODUCT STRATEGY

Heye has set the term Smart Plant for its long-term product strategy. The Smart Glass Plant combines the best Industry 4.0 concepts in order to produce glass containers in an energy-efficient and profitable way. In our vision, the Smart Plant is highly automated and is able to keep a high quality level at low unit costs.

Our Smart Plant solution contains three elements. **Smart Data** is the basis for information integration between the Hot and Cold Ends, providing tracking and tracing or unique identification for every container over the complete value chain to the consumer. **Smart Machine Controls** combine user-friendly HMIs, E-Timing systems and flexible and fast motion control systems. **Smart Process Controls** with closed-loops for different steps in the forming process are ultimately the core of a fully automated production process. The correct selection of solutions is the key to success. Not every scenario delivers a positive ROI. We at Heye are your partners for the selection and implementation of the correct solution, fitting your needs precisely. Together, let's define the roadmap for the next decade. Today we tell you more details about the robot. In the next issues we will highlight the other Smart Plant solutions. Stay curious!

SWABBING ROBOT SUCCESS FOR NNPB AND BB, MOULD AND NECKRING



Message in a Bottle

LOOK BEYOND THE
BOUNDARIES - LEVELS OF
AUTONOMOUS DRIVING

Do you know SAE – the Society of Automotive Engineers? The organization has defined different levels, from zero (no automation) to five (full automation). Of particular interest is the shift from SAE 2 to SAE 3, where the human driver no longer has to monitor the environment. The “operator” still has the responsibility to intervene when asked to do so by the automated system, however.



The customer reference list for the Heye swabbing robot grows longer every day, with the robot now running on every continent of the world, in NNPB and BB production. Both, small blanks and tall blanks are perfectly lubricated. As a result, swabbing without section stops and without loss of bottles is possible. In addition, the lubrication of neckrings with the same tool can be realised.

Following the concept of Smart Machine Controls, a combination with safety protection grids is also possible, for use with single and tandem IS machines, as at Orora’s glass manufacturing facility in Gawler, South Australia. Primarily, the DG tandem IS machine produces 0.75l wine bottles in BB operation. The close working relationship that exists between the Orora team and Heye’s experts led to a smooth commissioning of the automated swabbing, which is unique on the Australian continent. “We are very satisfied with the performance of the new swabbing robot at our Gawler glass facility” said Andrew Barreau, Technology and Business Development Manager at Orora Glass.

COLD END PRODUCT STRATEGY REMAINS UNCHANGED – RANGER 2 FULLY AVAILABLE



The Intelligent Cloud Masking System makes Heye's Ranger 2 camera check detection solution unique. It creates an individual cover area for non-critical reflections, avoiding influences from reference containers, while keeping the mask as small as possible. The self-learning Heye system does not require manually selecting/inspecting hundreds of check-free reference containers in order to adjust the system. The camera-based check detection solution is scalable for horizontal, vertical, shoulder or bottom checks. Ranger 2 camera check detection is available without restrictions, with unresolved patent questions only relevant for an old version that is no longer sold.

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IMPRINT

Heye International GmbH
Lohplatz 1
31683 Obernkirchen
Germany

T: +49 5724 26-0

F: +49 5724 26-539

sales@hey-international.com

www.hey-international.com

Ust-Ident-NR DE 220504231