

Intelligent Mold Reject

Maximizing output by minimizing losses



In glass manufacturing, production efficiency and quality control are crucial for maintaining high standards and profitability. The “Intelligent Mold Reject” system is a state-of-the-art solution designed to optimize your production output by limiting unwarranted losses.

Smart Technology Enables Superior Quality

Harnessing the power of today's technology in a smart way, every article produced is marked with a unique identifier in the hot end. Embedded within the marking is the critical information needed to enable the "Intelligent Mold Reject" feature.



Reduce Waste, Save Resources

Ware losses affect your bottom line. Using the "Intelligent Mold Reject", factories no longer reject wares just because they came from a specific cavity number. Knowing the timing of an event serves a critical role in deciding what articles need to be removed from the line. By identifying and analyzing the specified time window of a quality event ensures that every sell-able container makes it into the pack and adds to your bottom-line profitability.



Targeted Quality Control

Quality issues will arise in your production environment, but how you handle them makes all the difference. With the "Intelligent Mold Reject", data embedded within the code precisely identifies which containers are affected during the quality events. This allows for selective rejection or reselection, ensuring that only the containers produced during the event are removed, significantly reducing losses and increasing output efficiency.



Invest in the Future

Before "Intelligent Mold Reject", addressing quality issues often meant discarding all articles produced from a problematic mold. This was a costly and inefficient process that had several limitations and drawbacks. Today, our system changes the way factories manage their mold rejection and ware reselect processes. The result is a drastic reduction in waste and a boost in your operational efficiency.

Intelligent Mold Reject Essential Hardware

To utilize the “Intelligent Mold Reject” functionality from Bucher Emhart Glass, a few key components need to be installed in your production line. On the hot end, the ID MARK is used to print the matrix code on the hot bottles before they enter into the lehr. On the cold end, the ID READ device installed in the mechanical machines deciphers the code and uses the information when selection or rejection of specific wares is needed.

Hot End

ID Mark

Using a CO2 laser to inscribe a unique ID code on each container shortly after forming, the precision heat engraving process is carried out at high speed to avoid damaging the glass.



Cold End



Mechanical machine: Flexinspect M or Flexinspect T equipped with an ID Read device

The ID READ provides full correlation of the inspection results to the bottle ID number embedded within the code. Utilizing information available from other process sensors, quality results can now be correlated to forming process conditions.



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