Recommended by leading brewers

According to Wilfried Seidensticker and Mark Ziegler, Heye process control technology is recommended by the world's biggest breweries.

High speed production in high quality is a key requirement, especially in NNPB production. At the same time, the use of NNPB means a reduction of energy costs and in both respects, proven process control is indispensable.

Heye has sold nearly 800 process control systems in recent years and one of the world's largest brewers, based in the Netherlands, recommends the use of Heye solutions to its glass container suppliers. Wilfried Seidensticker, Product Manager for hot end solutions at Heye is proud of this endorsement, even if the brand owner does not want to mention his name.

Heye process control avoids an over pressed and unfilled finish. Both are critical defects when producing a glass container. In addition, the machine operator gains transparency in the production process. The possibility for preventative maintenance is one of the results.

REPRODUCIBLE WALL THICKNESS

The needs of every successful product go through a process of evolution. Dr Michael Kellner, R&D Director at Heye and his team have recently added further features to Heye process control technology. The feature is called Press Duration Control and guarantees a reproducible wall thickness.

Heye Process Control to avoid an over pressed finish.

Heye Process Control to avoid unfilled finishes.

For the first time, it is now possible to control the individual phases of the pressing process. The patented procedure records how long the plunger stays in the glass and then regulates the pressure and time accordingly. Control of press duration, ie the time the plunger remains in the glass, ensures reproducible wall thicknesses, a critical quality feature in glass container production.

If the press duration is too short, too much glass flows to the base after delivery of the parison to the blow mould. The result is a thin neck and a thick base. If the press duration is too long, the outer surface of the parison gets too cold. The parison cannot then reheat sufficiently in the blow mould, so too much glass in the neck and shoulder area and a thin base are inevitable.

In extreme cases, if the outer surface is too cold, the glass container can even burst open during the final blow. Arturo Garcia from SIVESA in Mexico is impressed: "It is fascinating how fast we come to good results. The Press Duration Control from Heye makes related article defects a thing of the past. In addition, fast and efficient job changes without long trial and error phases become a reality."

In brief, the Press Duration Control solution avoids too short a press duration (unfilled finishes, hollow necks, thin shoulders and thick bottoms), while also avoiding a press duration that is too long (press marks, vertical finish checks, thin bottoms, seams in the finish and blank mould seams). ■

Advantages of press duration control.

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