

Why your bottling line needs a total conveyor solution



The importance of line control, modulation and integration on conveyors in beverage and bottling plants could not be more significant today. If personified as the human body, conveyors act as the arteries and veins of the production line, where the filler would be 'heart' of the system. The more jams and stoppages on these conveyors, the more it affects the filler, and the rest of the line.

A common user of conveyors does not pay much attention to their purpose. It's merely just a system to move a product from point A to point B. However, if utilized correctly, it can be exploited to raise the bar of your line efficiency to a whole level. Over the years, there has been a significant development in the art & science of conveying systems & some multinationals invest millions of dollars for the improved efficiency.

Correct conveyor system design allows the bottler to reduce downtime, rejects, maintenance cost in spares & high wear & tear parts. It also gives the bottler the opportunity to truly automate their line, minimizing the number of operators. All this finally equates to a sizable saving for the business, especially if the bottling line has an output of upwards of 300 bottles per minute.

There are 3 essential considerations for achieving good line efficiency.

- The first 30% would be attributed to the design of the conveyor layout. Conveyor design starts with a good lay out and there are two immediate benefits to be observed.
- People friendly design essentially takes care of man and material movement. This gives priority to reducing stress for operators and keeps safety a paramount property.
- Machine friendly design layout supplements the performance of every machine by understanding the need and necessity of every machine.

if you go wrong either, chances are, your production team will have repeated troubles in achieving the set line efficiency goal. It also reflects the depth and understanding of the conveyor supplier.