

Projects management about technical problematic on perfume bottle glass defects that may appear during manufacturing steps.

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SGD, which was before Saint-Gobain Desjonquères, is a must of the bottling industry and has been making bottles for perfumery and pharmacy industry for more than 110 years. During those several years, the company has been gathering an unmatched know-how that makes it one of the market leaders.

Glass production requires adjustment of different machines and monitoring throughout the production chain to prevent the formation of defects and remove it before the sending to customers . The defects can form in any part of the production and be explained by many facts because the glass is a very difficult mastered material.

At this step of my internship, two different missions have been started:

- 1) One of the wishes of the company is to reduce “chipped / incised” defects because it is the first case of customer quality complaints in 2013 and it has increased significantly since 3 years. The aim is to focus on the root cause and the non-detection of this defect. A private company will help us to keep a good methodology and remain it in the subject framework.
- 2) The other remit of this internship will be to find a solution to control as best as possible the measurement of the tin layer dropped off during the heat treatment on the glass just before the annealing. It can cause some visible marks after some perfections. The first step is to get a good standardization of the machine and understand the limits of it with our glass use. The second one, in parallel, is to try to find another more accurate experimental technic.

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