

Elscint Automation

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Case Study – Elscint high speed vibratory cap feeder for capping machine

Industry - FMCG Industry

Requirements -

1. Feeding of 3 types of Caps
2. High speed feeding (250 caps per minute)

Orientation – Open side facing ground

Speed / Feed Rate – 250 pieces / Minute

Accessories provided –

1. Stand
2. Gravity chute
3. Auto switch off mechanism

Vibrator Model –Model 400

Description -

Elscint manufactured a high speed cap vibratory bowl feeder for feeding of caps. Various sizes of caps can be fed in the same bowl feeder with slight changeover tooling. In fact, Elscint has designed a highly specialized tooling which can help reduce the change over time drastically. The change parts are all made in such a way that these can fit in the correct positions and there are no slots required for adjustment. Hence, even unskilled technicians can do the changeover tooling in very less time. Another advantage of this type of feeder bowl is that the bowl can handle caps where the length of the cap is more than the diameter. These types of caps are very difficult to handle and most vibrator feeder manufacturers do not commit high speeds for such caps. However, with the help of the special tooling designed by Elscint for this application, very high speeds are possible. In fact, Elscint can provide speeds as high as 250 to 300 caps per minute for such type of caps. Additionally, Elscint can provide these high outputs without the use of air for orientation or speed, thus reducing the running cost of the vibrator. Plus Elscint vibrators having CE marking, the stringent European safety requirements are taken care of. Elscint can also provide base plates, stands and chutes, thus providing the customer with a total solution. Special stainless steel base plates and chute holders can also be provided in case of need.

Further operation -

Capping Machine



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