

Elscint Automation

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Case Study – Elscint high speed vibratory feeder for Steel Tubes

Industry - Automobile Industry

Requirements -

1. Feeding of 7 types of Tubes
2. High speed feeding (200 parts per minute)

Orientation – Standing

Speed / Feed Rate – 200 pieces / Minute

Accessories provided –

1. Elscinthane bowl coating

Vibrator Model –Model 400 HD

Description -

There were a total of 7 tubes and in some cases the diameter was more than the length, some cases the diameter was less than the length (length being more) while in two cases, the diameter and length were the same. The orientation required was “standing”. The customer wanted very high speeds and Elscint could not only achieve the same but the final output was more than the required speed! Elscint model 400 HD was used with a very large bowl having a diameter of 950 mm. Due to this big bowl, the quantity which could be accommodated in the bowl was very large. The Elscint 400 HD is a half wave heavy duty vibratory drive and hence high speeds are possible. Elscint could achieve a linear speed of 10 metres per minute, which is very good for a bowl feeder of this size. The customer had allowed the usage of air for increasing the speed and orientation. However, Elscint used air at only one place, thus saving on the running cost of the vibratory feeder for the customer. The vibrator was delivered within 6 weeks to a customer in Europe, which was well within the committed time and adhering to the stringent time schedule provided by the customer.

Further operation -

Sizing



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