

Elscint Automation

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Case Study – Feeding of Elscint Vibratory Bowl Feeder for feeding Cages / Rings of various sizes in two outlets at 180 degrees

Industry - Bearing Industry

Requirements -

1. Critical orientation
2. Huge Variety
3. Double outlet feeding at 180 degrees

Orientation – Rolling

Speed / Feed Rate – 100 pieces / Minute

Accessories provided –

1. Elscinthane PU coating

Vibrator Model –Model 400

Description -

Elscint manufactures a vibratory bowl feeder for feeding cages and rings of various sizes through the same bowl. The bowl feeder has two outlets which are 180 degrees apart. The bowl feeder has been designed in such a way that all types of cages and rings where diameter is less than length as well as where diameter is more than length can be fed through the same bowl. Elscint has developed a very special bowl for this application. Elscinthane PU lining is provided from the inside for reducing the noise level. Due to this superior type of Coating, noise level is reduced by about 10 to 15 Db. This vibratory bowl feeder has the advantage of feeding to two different machines kept at different ends of the bowl feeder. The feed rate of each of the Outlets is maintained at the required rate of 100 pcs / minute, ensuring no starvation to each of the machines, which it feeds to. More importantly, an overflow arrangement has been provided so that the need for having two sensors is eliminated.

Further operation -

Grinding Machine

Honing Machine

Facing Machine



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