

Elscint Automation

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Case Study – Axially feeding of parts having diameter more than or equal to length

Industry - Auto Ancillary Industry

Requirements -

1. High Speed – 3 to 4 metres per minute
2. Variety of components where diameter > length or equal or less than length
3. Simple changeover

Orientation – Axial

Accessories provided –

1. Elscinthane PU coating
2. Stand
3. Linear Vibrator
4. Auto-switch off mechanism

Vibrator Model – Model 250 or Model 400

Description -

Elscint has developed a vibratory bowl feeder where any type of part where the diameter is more than the length, less than the length or even equal to its length can be fed axially i.e. lengthwise orientation at a high speed. Elscint has designed a standard changeover tooling which makes the changeover process between various components quite easy and fast. Further, as the bowl and the tooling is standardized, in case of new components, customers can only order the changeover tubes for usage on old bowls. A linear vibrator is also provided in all cases to generate a consistent push for the components while grinding takes place. This further improves the quality of the output.

Further operation -

Feeding to centreless grinding machines

Feeding to duplex grinding machines

