

# Elscint Automation

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## Case Study – Feeding of Diodes

**Industry - Auto Ancillary Industry**

### Requirements -

1. Critical orientation
2. High speed

**Orientation – Rolling**

**Speed / Feed Rate – 100 pieces / Minute**

### Accessories provided –

1. Elscinthane PU coating
2. Stand
3. Gravity track
4. Auto-switch off mechanism

**Vibrator Model –Model 400**

### Description -

In this case, rolling orientation was provided for the diodes. Diodes being very thin having diameter of 1 mm and length of 50 mm have a tendency to come out of the vibratory bowl feeder in axial or lengthwise manner. However, Elscint Automation has been able to design a novel orientation tooling, which ensures the diodes come out of the bowl in rolling orientation. Additionally, singling or escapement was provided which in turn helps in releasing the diodes one at a time.

### Further operation -

Assembly machine



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