

Elscint Rotary Feeders

When the requirement arises for very high speed orientation and feeding of parts, then the only alternative is to go for a Rotary or Centrifugal Feeder. These can help achieve speeds of upto 50 meters per minute. Secondly, there being no vibrations and only mechanical items, rotary feeders are more acceptable to a lot of customers who are afraid of the reliability of vibratory bowl feeders in the long run (however, using a vibratory bowl feeder from a reliable supplier like Elscint can reduce this inhibition).

Rotary Feeders

- **Alternative to a Vibratory Bowl Feeder.**
- **High Speed Operation**
- **Less Noise & No Vibrations**

Contact Us

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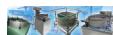
Web: www.elscintautomation.com



Elscint Rotary Feeder with Hopper

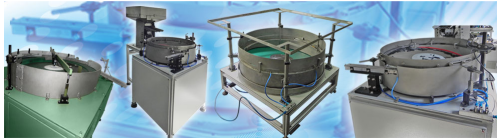
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**Have a Rotary Feeder application?
Contact us today!**



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Elscint Rotary Feeders

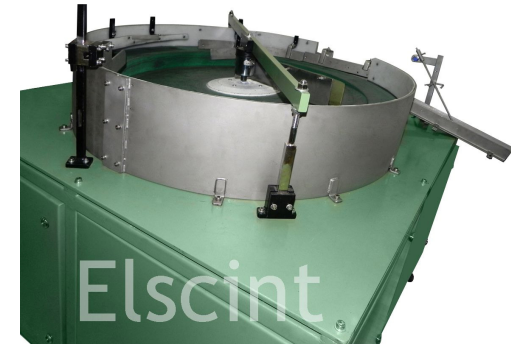
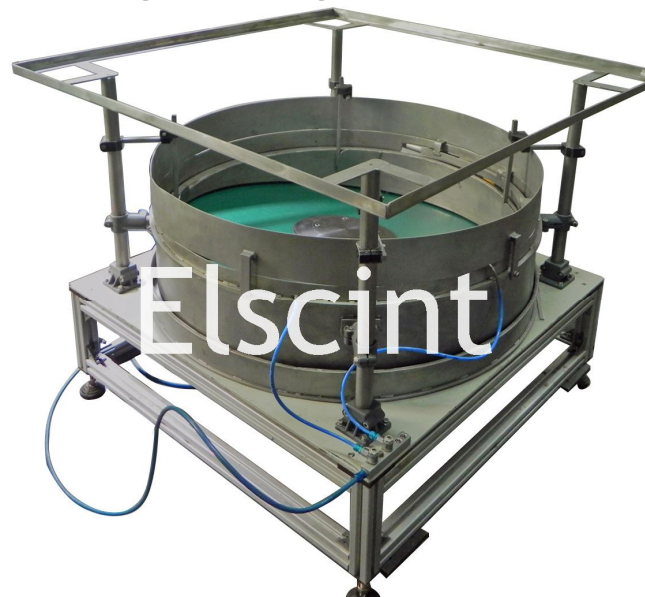
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Major points –

- Less Maintenance
- Less Noise
- High Speed
- Mechanical Working

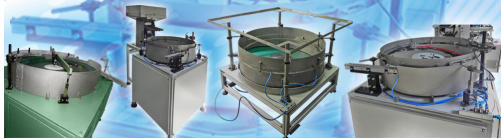
Major features of Elscint Rotary / Centrifugal Feeders –

1. Unique Double Disc drive design ensuring high speed, proper orientation & no jamming
2. Separate Variable Frequency Drives, ensuring proper speed / feed rate
3. Sturdy design with excellent build quality
4. Optional provision for reversing of discs possible
5. Pharmaceutical grade Rotary Feeders possible
6. Elscinthane PU coating possible (food grade coating also available)
7. Low noise level
8. Clean & easy to maintain
9. Variety of components can be fed in the same Rotary Feeder with simple changeover tooling



Elscint Heavy Duty Rotary Feeder

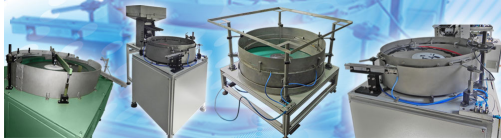
- Pharmaceutical Grade available
- Sturdy Design
- Clean & easy to Maintain



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A comparison chart mentioning the advantages & disadvantages of Rotary or Centrifugal Feeders vis a vis Vibratory Bowl Feeders are given below -

	Vibratory bowl feeder	Rotary / Centrifugal Feeder
Maximum speed	12 to 15 meters / minute	50 meters per minute
Usage of Air Jets	Maybe required for high speed / critical orientation	Mostly required for easy flow & orientation
Variety of parts which can be oriented & fed	Almost all parts	Only certain parts can be fed & oriented (eg. bottle caps, cylindrical rollers, needle rollers, flat and cylindrical droppers, bearing races, bearing rings etc)
Electrical supply	1 Phase	3 Phase
Possibility of damage to parts	Negligible	Sometimes possible for brittle parts
Loading quantity	High (depending upon model)	Less (Stock feeder / Hopper Elevator always required.
Variety of components	Possible with changeover tooling	Possible with changeover tooling
Food Grade Quality	Available	Available
Maintenance	Negligible	Negligible



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Examples of Rotary Feeders –

1. Round Drifter (Model RF 80)
 - Drifter size - (dia 16 mm x 40 mm length) -Speed achieved – 800 parts per minute
 - Drifter size - (dia 16 mm x 70 mm length) -Speed achieved – 500 parts per minute

2. Flat Drifter (Model 60)
 - Drifter size - (6 mm x 37 mm length)
 - o Speed achieved – 600 parts per minute – with curved side up
 - o Orientation – Curved side up
 - Drifter size - (8 mm x 41 mm length)
 - o Speed achieved – 500 parts per minute – with curved side up
 - o Orientation – Curved side up

3. Rotary Feeder for Bearing Rings (Model RF 80) –
 - Bearing Ring sizes – dia 40 mm to dia 80 mm
 - o Speed Achieved – 300 to 500 parts per minute

4. Rotary Feeder for Bearing Rings (Model RF 100) –
 - Bearing Ring sizes – dia 40 mm to dia 110 mm
 - o Speed Achieved – 200 to 400 parts per minute