

Elscint Automation



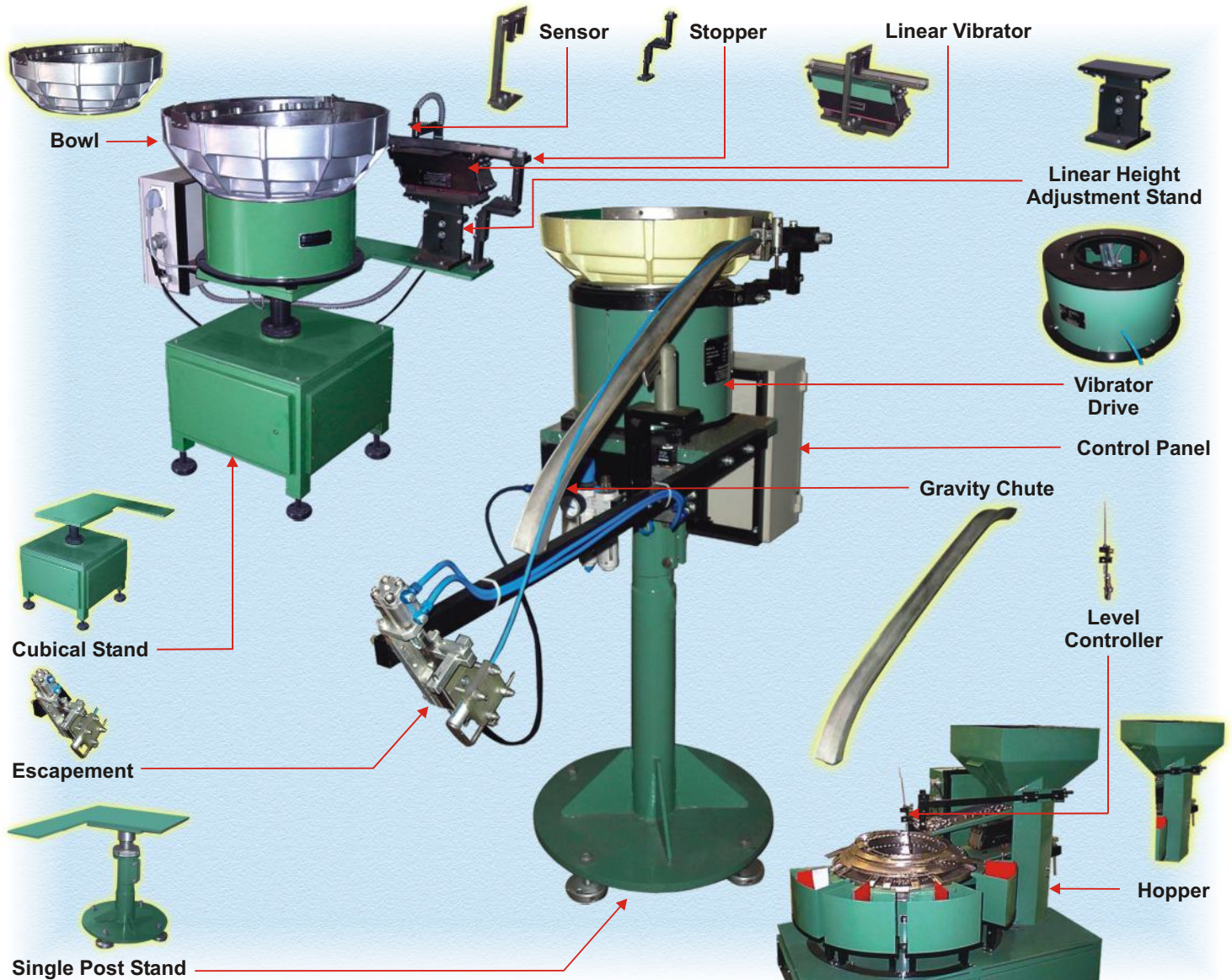
LEADERS IN VIBRATORY BOWL FEEDER TECHNOLOGY

Elscint manufactures EIGHT Models of Vibratory Bowl Feeders, i.e. 100, 200, 250, 250 D, 250EV, 400, 400HD and 630.

Bowls: Bowls are available in Cast Aluminum or Stainless Steel and in Various configurations like Conical, Step Design, Cylindrical and Outside Track etc.

IMPORTANT POINTS OF ELSCINT VIBRATORY BOWL FEEDERS:

- FULL WAVE operation, which give smoother Vibrations and eliminate Spring Breakage.
- CE MARKING for Vibratory Bowl Feeders, ensuring compliance to the Stringent European Safety Norms.
- Totally encapsulated Coils to improve the performance and life of the Coils.
- Negligible maintenance for years with zero downtime.
- All Feeders are vigorously tested before dispatch.
- Elscintane Polyurethane Linings / Coatings available (1st time in India)



Products for Small Parts Handling

www.elscintautomation.com



Elscint Automation

Elscint Linear Feeder

Elscint manufactures 5 models of Linear Feeders, i.e. Elscint I, I-EP, II, III and IV.

Application:

1. Elscint Linear Feeders are suitable for feeding components for subsequent operations on special machines
3. Chute / Tray Lengths up to 1.50 Mtrs. are possible

Accessories

Elscint provides all types of Accessories like (refer photo for details)

1. Stands (with Height Adjustment of 200 / 220 mm -8 to 9 inches)
2. X-Y Tables
3. Portable Jacks - for Z adjustments
1. Elscintthane Polyurethane Linings / Coatings-Rough as well as Smooth Finish possible
2. Hoppers & Silos for extra capacity
3. Noise Suppressors / Enclosures for Noise Reduction
4. Chutes Gravity and Linear with Sensors

Vibrator Controllers

All Models are of European Make having CE Marking:

E3FC - 3 Amp Rating (Mainly used for linear feeders and small sized bowl feeders)

E5FC - 6 Amp rating (For Bowl feeders)

Advantages:

1. Adjustable soft start with HALF WAVE and FULL WAVE inter-changeability
2. Provision for setting the maximum and minimum vibrations limits
3. Control with external potentiometer and control with PLC possible
4. Voltage compensation

Other Controllers on offer-

1. Frequency Controllers
2. Feedback Controller
3. Auto Tuning Frequency Controller

Special Equipments manufactured by Elscint

Elscint Vibratory Weld Nut Feeder

Elscint Automation manufactures a Nut Feeding Accessory for Resistance Spot Welding Machines.



Elscint Taper Roller Feeding, Orientation & Pump Unit

Elscint Taper Roller, Feeding, Orientation and Elevating Pump Unit is designed for feeding and orienting taper rollers for taper roller bearings. The taper rollers are fed into the pump unit driven by a suitable Elscint reduction unit and this pump unit elevates the rollers to the desired height from where they can be fed by gravity to the work station where they are needed.

Elscint Spring Disentangler

Elscint Automatic Tapping Machine

Components are fed through a vibratory bowl feeder to the tapping station. At the tapping station, tapping takes place with the help of a specially designed tapping head attachment. The completed component is then unloaded in a bin or ejected.

Main Features:

1. Tapping at two places can be done on the same component!
2. Speeds of up to 40 pieces per minute are possible
3. Available with PLC control

Elscint Rotary / Centrifugal 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).

Elscint Elevator Feeders / Belt Conveyors

Elscint manufactures Elevator Feeders with a Unique Design which reduces the problems of large components / products getting entangled / locked in the Hopper of the Elevator. Synthetic, Mild Steel and even Stainless Steel Belts are available.

Elscint Gear Boxes / Motors

Models Available:

Model	Torque
DM 38	100 Kg cm
DM 52	300 Kg cm
DM 38.38	4 Kg Mtr.
DM 38.52	10 Kg Mtr.

Construction:

1. Elscint Gear box is directly mounted on the front motor flange
2. Cast Iron and Al housings available
3. Solid & Hollow Shafts available
4. Thread Ground Worm Shafts and Phosphorous Bronze Gears
5. Factory Oil / Greased filled Gear Boxes
6. Ratios from 6:1 to 4900:1
7. Convenient mounting positions
8. Customised Adaptability

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