



Elites Automation

**Material Feeding Solution !!!
Mfg. of Vibratory Bowl Feeder
S.P.M. & Conveyors**



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Who we are

- We Elites Automation ,are solution-provider in the field of Design, Development, & manufacturing of Vibratory Bowl Feeders, Linear Feeders, Elevators, Conveyor Systems, Special Purpose Machines & Assembly Automations.
- Established in Feb 2010 & since then we have been successfully offering wide range of feeding solutions to complex precision components, which has provided in various industrial backgrounds with a hold on Industrial Research & development.
- Have infrastructure setup of @ 2000 Sq ft area, where we are indulge in activities like Designing, Manufacturing (Fabrication & Assembly), of Vibratory bowl , Linear feeder Rotary feeders, Elevators, Conveyors & Special Purpose Machines.



Products profile

- We Have Various types of product range to cater & handle the feeding of precision machined parts.
 - **VIBRATORY BOWL FEEDERS**
 - **VIBRATORY LINEAR FEEDERS**
 - **ROTARY FEEDERS**
 - **ELEVATORS**
 - **STOCK HOPPERS WITH FEEDERS**
 - **FEEDING CONVEYORS**
 - **MECHANICAL SORTING MACHINES FOR NEEDLES**
 - **SPECIAL PURPOSE MACHINES.**
 - **POLYURETHANE COATING OF THE BOWLS.**



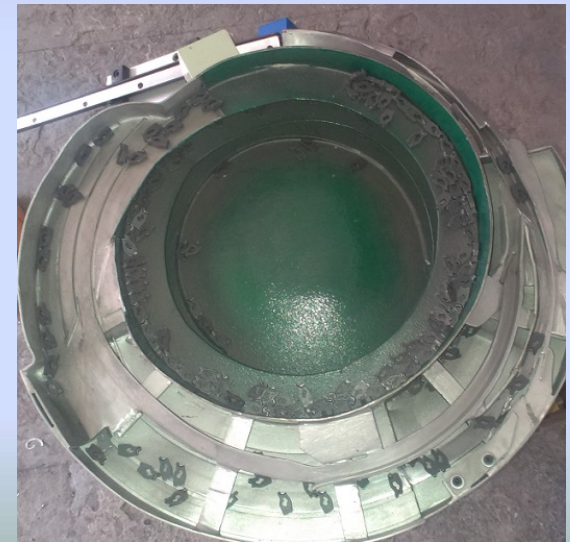
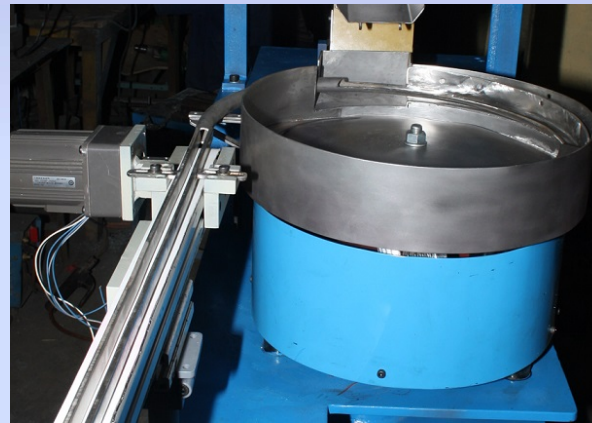
Vibratory Bowl Feeders:-

- ❖ It is essentially one of the Important accessories in the Mass Production Machinery Building. The simplicity of this system is, it is without any rotating or moving parts, which makes this a very reliable partner for continuous operations, hours after hours, day in and day out for years without much required attention.
- ❖ The Feeder is having one base unit which is called drive unit & another top part named bowl. Bowl is 100% custom built to suit customer's requirement of parts feeding, orientation & desired Feed rate.
- ❖ Elites provides with reliable & economical solution for process lines, like Centerless Grinding, Thread rolling, Vision Inspection, packing, sub assembly automation & other related continuous feeding required operations.
- ❖ We Design & Manufacture bowl feeders with extensive range, from compact size of 100 dia units up to 650 dia large units. Each unit is designed as per the application from small sized to larger sized components.



❖ Elites provides four types of bowls depending on the end application:-

- 1) STEP BOWL FEEDER.
- 2) CONICAL BOWL FEEDER.
- 3) CYLINDRICAL BOWL FEEDER.
- 4) OUTER TRACK BOWL FEEDER.





Our standard Models are as below:-

(A) FOR BOWL FEEDERS

- 1) EA 100
- 2) EA 230
- 3) EA 300
- 4) EA 400
- 5) EA 530
- 6) EA 650

(B) FOR LINEAR FEEDERS

- 1) EA-LF 75
- 2) EA-LF 100
- 3) EA-LF 125





DRIVE UNIT

It is an Electro-magnetic vibrating Unit, made out of CI & Aluminum castings. It consists of a I Core Assembly & Coil assembly. The amplitude of vibration is Varied by controlling Electrical current. These units are manufactured in either clock wise or Anti clock wise as per the orientation of need of the end user's requirement.

BOWL UNIT

Bowls are offered in different material in S.S. & Aluminium, with lining, of Polyurethane. The Bowl shapes such as stepped with spiral tracks, cylindrical with helical tracks, and conical tracks, are used depending on type of components to be handled.

Bowl Units have various distinct tooling features & the most important factor to consider is, when selecting the best type of bowl for a particular application, determining the component size.

Elites offers Fabricated bowls from SS 304, SS 316 & Aluminum Casted bowls as per customers requirements.



❖ **VIBRATORY LINEAR FEEDER**

These Units enable Horizontal Transfer of parts / material in application such as :

- ❖ Parts transfer in magazines without gravity help.
- ❖ Variable feed rate of material in hopper feeder.
- ❖ Uniform feeding material to process equipment.
- ❖ Used as small length conveyor.

Elites provides wide range of models to meet today's market needs & offers a quick response for the tooled & un-tooled equipment's. Feasible design & Expert selection advice is also offered to the customers.

Linear Feeders convey the oriented components from bowl feeders, over short or relatively long distances, thereby creating a buffer storage stock of the components.

Electronic Regulator is provided as Standard, to vary vibration level and feed rate.

Sizes offered by Elites Automation are from Minimum 200 mm length up to 3200 mm Maximum length.



Linear feeders





APPLICATIONS :-

Bearing Industry:- for Centerless Grinding, Face grinding, Hardness testing, Taper grinding, & bearing Roller assembly & Vision inspection & sorting of Finished Bearing parts.

Cosmetic & Plastic parts :- parts feeding to Filling, capping, labelling applications.

Pharmaceutical Industry :- parts feeding to Filling, capping, labelling applications, High speed packing & laser Marking application.

Automobile Industries :- Parts Feeding to Sub assembly systems, Sub- assembly automation, Component Laser marking, Vision Inspection & sorting applications.



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Our creations

- ✓ Feeders & Conveyor with Vision Sorting System of Spring Washers





Our creations

✓ Pen / Markers Assembly System





Our creations

- ✓ Water Filter Cartridge Assembly System





Quality Assurance

To adhere precisely quality of the products as per drawing specification, We have well trained Quality assurance team with the modern inspection instruments & equipment.

Assembly, Testing & Service

Young Dedicated Team for Assembly, testing, Project Installation and service after sales.

System is rigorously tested in-house for performance & failure analysis, so as we can keep up-grading our equipment's up to the best level of our customers satisfaction.



Resources

Design

- ✓ 3D Design Software(Solidedge, Catia)
- ✓ 2D Design Software (Autocad)

Wide Supplier base

Dedicated supplier For Special Process

- ✓ Laser cut Machine
- ✓ Wire EDM Machine
- ✓ Machining of Precision Components
- ✓ Vacuum Heat treatment



Why Elites

We adhere to keep the following principles for maintaining and continual improvement of the quality, customer satisfaction and environmental system:

- All processes within the company are fully in line with the current legislation and related regulations.
- Set-up the processes within the company so as to minimize the negative impacts of its operations on the environment and output of production will be the quality product
- Perform the careful selection of suppliers of materials and services, in order to still ensure the quality and the compliance of output products with legal requirements
- Adapt the standard processes within the company as per customer's requirements
- The potential non-compliance prevent with the imposing of preventive measures



Esteemed Customers

- NRB Bearings (Aurangabad, Jalna & Hyderabad).
- Luxor Writing Instruments Pvt Ltd (Noida)
- SKF, Chinchwad, Pune.
- EPCOS (Nashik)
- Brothers Pharmamach, (Gujarat)
- Harikrushna Machine tech Pvt. Ltd (Gujarat).
- Pik Pen Pvt Ltd (Umargaon)
- Renovus Vision Automation (Bangalore)
- Maini Precision Products (Bangalore)
- Sigma Electricals Manufacturing (Chakan, Pune).
- SKP Bearings (Gujarat).





Thank You

Making to move parts continuously

