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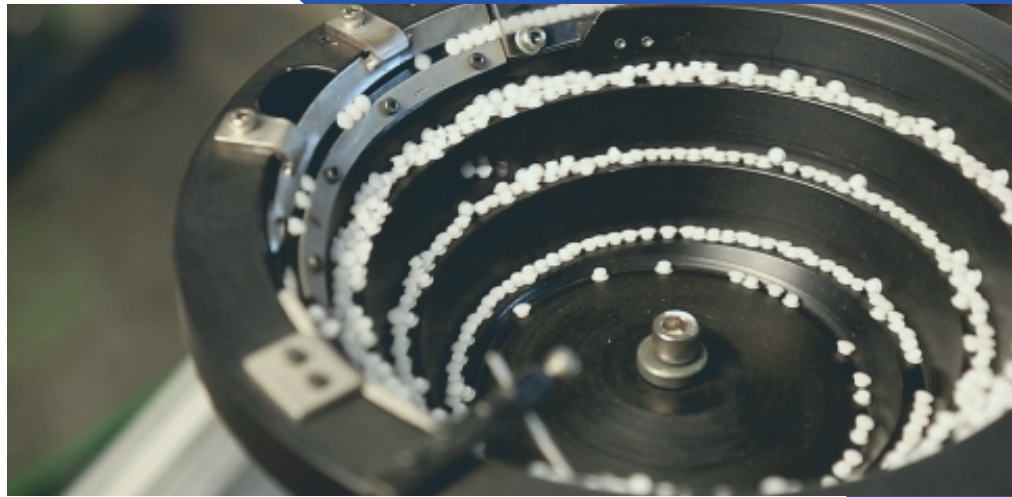
🌐 www.wibrofeedingautomation.com



Feeding & Assembly Solutions.



An ISO 9001 - 2015 Company



About Wibro

We are pleased to introduce our company as experienced in providing Automation solution system, Spares and Support for part feeding, loading and handling etc. at many areas like Production, assembly. Resulting improvement in quality, productivity and saving in time and cost as well.

We manufacture, supply and support for complete feeding and assembly solutions specially designed based on our customer's requirement.

We deal with all kinds of SPM'S & Feeders to meet your production requirements. We are well equipped with experts from different domains. Also, we have in-house manufacturing facilities to ensure on time delivery of machines and feeders to our customers.

From design to development all is done under one roof for manufacture of full proof machines. Beauty with brain is the key features of our SPM'S and feeders.

Our machines are not only aesthetically good but also intelligent enough to carry out the production job automatically with little or no human interference.

As we move towards insatiable Quest for higher quality and minimum error tolerance, there increase a need of technology to inspect, check and without errors at every possible points.

Company history

We, **WIBRO FEEDTECH**, are one of the eminent manufacturers and suppliers of Feeding and Assembly Solutions. Extensively used by automotive parts, fasteners and watch manufacturers, these products are renowned for their quality and durability.

With the support from our sound infrastructure and our dedicated team of professionals, we are able to cater to the increasing demand of products in the

market. We ensure that the range is quality tested and is at par with the industry standards. The quality controllers thoroughly check these products before dispatching them to our clients. We also offer fabrication, erection and installation services of our products. Our wide distribution network enables us to deliver products in a trouble free manner within the stipulated time frame.



Vision

Continuously adding technology to enhance globally.



Mission

100 crore
50% from global markets by 2020.



Values

Creativity

Do more in less time

Commitment

Committed towards the relationship

Contribution

Constant contribution toward customer growth



Manufactures of

Spacial Purpose Machine (SPM)
Screw Washer Assembly (Combi-bolt)
Drilling, Taping & Chambering SPM
Counting & packing Machines
Power Distribution Panels (PDB)
PLC Control Panels
Automatic Screw Driver
Assembly Machines
Pick & Place Units
Press Automation
feeding Systems
PLC Programming
Conveyers



Manufactures of

Vibratory Bowl Feeder (Conical/Step/Cylindrical)
Linear feeders
Rotary feeders
Aluminum Machined Bowl
Stock Feeder
Voltage Regulator imported
Voltage Controller
Voltage+Frequency Controller
Frequency Controller Imported (Digital/Analog)
Silencer Hoods
Spares-Electromagnet
Spring Plate & Foot Mount
Singling Units



Services

PU Coating
Brushlon Coating
Rubber Coating
Annual Maintenance
Repair & Maintenance
Bowl feeder standard coatings



Sectors

We Proudly announce our presence in almost all sectors for feeders like

Bearing Industries
Fastener Industries
Pharmaceutical Industries
Agriculture Sector
Sports Industries
Cosmetic Sector
Electrical & Electronics Sectors
Automobile Industries
Watch Industries
Medical Industries
Switchgear Industries
Food Industries
Jewelry Industries
Home Appliance Sector
Stationary Industries



Infrastructure

WIBRO GROUP is one of the major company in manufacturing Special Purpose Machines and feeding solutions, Under the name of:

WIBRO FEEDTECH & AUTOMATION CENTRE Pvt. Ltd.

We, at WIBRO are having a team of 60 people with the extensive knowledge And set of Skills to deliver the satisfaction.

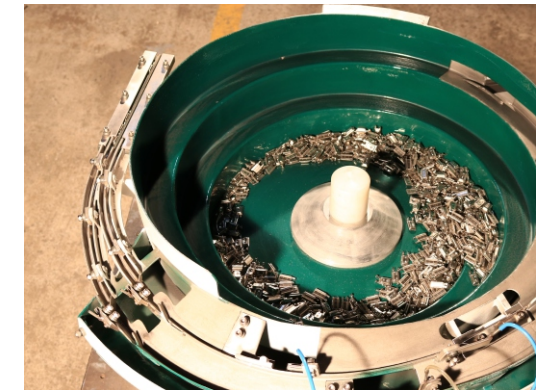
How to Tool a Vibratory Feeder Bowl

Some parts are inherently difficult to feed. Lead wires on electronic components, for instance, tend to tangle. Unfired ceramics and unsintered pressed metal parts are very fragile and may be damaged. Parts coated with heavy oils tend to adhere to conventional bowl tracks and must be supported on thin rails.

Fortunately, many parts can be classified into one of eight categories according to their configuration and dimensions. Consult the following links for illustrations which show typical vibratory bowl tooling techniques.

The tooled feeder bowl to the right is in many ways

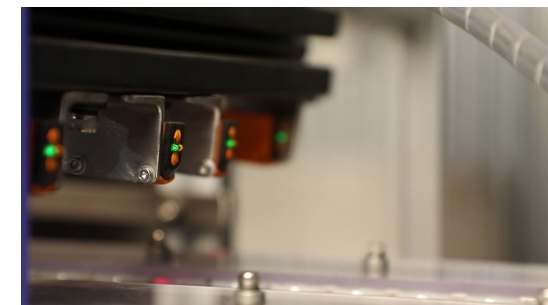
unique, yet the design of the tooling follows a basic plan: size the bowl for the part, use the part's natural orienting characteristics, reduce parts to a single line of feed, design obstructions to yield only oriented parts, and maintain orientation as the parts leave the bowl.



Sensors

Sensors that control the amount of parts in vibratory bowls track and linear track

- High level Sensor
- Low level Sensor



Controllers we supply

- Digital Variable Voltage Controller(CUH make)
- Digital Frequency Controller(CUH make)
- Digital Frequency Controller with vibration sensor(CUH make)
- Digital Frequency Controller (REO make)

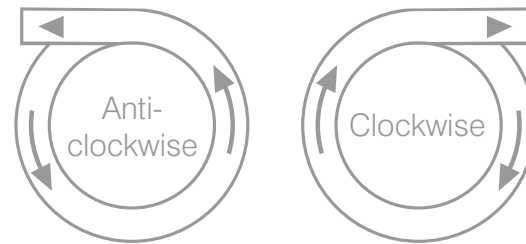


Types of Feeders

- Bowl & Linear Feeders
- Centrifugal Feeders
- Step Feeders
- Conical bowls
- Cylindrical bowls
- Belt Hopper/Vibratory Hoppers
- Sachet & Pouch Handling
- Palletizing Systems



- 1) Left handed: anti-[counter-]clockwise
- 2) Right handed: clockwise



Types of Coating

PU Coating

5 Features of spray able urethane coating:

- Noise reduction: Reduces noise from parts-feeder.
- Wear-resistance: Flexible selection of coating layer's thickness for the best fitting to customer's specifications.
- Scratch resilience: [Three hardness selection:65A, 90A, 70D Scales] immune from scratch.
- Water Resistance: Elongates the life of machines.

Natural Vulcanization: Heating is not required.

Green Brushlon

A material used almost exclusively for the parts handling and feeding industry, this lining fills many needs including part protection, bowl longevity, improved part feeding characteristics, and bowl



longevity. This specialized lining requires focused care and attention for installation, which Wibro has perfected over the years.

Black Brushlon

Similar to the Green Brushlon the black variation uses a stiffer bristle to achieve the same results. Often used for feeding extremely abrasive parts, such as ceramic, this lining has great wear properties without the potential for part marring.

Bowl & Linear feeders

The catalogue represents our complete range of standard equipment for vibratory bowl feeders, which is available from stock. It includes drive units, bowls, bowl centers, control boxes and additional accessories including stands, base plates, sound covers and sensors. Special requirements are available upon request. We also manufacture tooling to orientate components,

which together with our standard equipment, provides a system ready to integrate with a customer's machine. Vibratory Feeders with Linear drive also commonly known as linear Feeders. Once the product is on the track of linear feeder, linear feeder carries the part linearly to the desired locations.





Centrifugal Feeders

Centrifugal feeders also referred to as "rotary feeder". Vibro offers a full range of tooled centrifugal feeders. Designed to run effortlessly at output rates of 20 - 3000 parts per minute, with a smooth and gentle operation which virtually eliminates product damage.

With Vibro's feeder expertise the centrifugal feeder systems can be interfaced and supplied as a complete packaging line, with further product transportation via downstream conveyor systems to subsequent packaging operations such as capping, labelling, flow wrapping and cartoning applications.

- High feed speeds up to 3,000 parts per minute.
- Quiet and gentle parts handling.
- Difficult shapes and sizes to be orientated and sorted
- Simple modular design
- Rapid changeover
- Cost effective
- Motor-powered for low noise levels
- Low maintenance / reliable

Step Feeders

Wibro Step feeders have been designed to be robust and reliable for handling bulky heavy components, oil and other harsh materials on the surface of the product are possible for feeding and orientation.

The Vibro Step feeder is a compact low noise alternative to a bowl feeding system and in many circumstances components can be tooled without the aid or air.

Standard Step Feeder hopper

sizes range from 10 to 60 litres capacity and on request can be made to suit your individual requirements.

- Components with small sort features and high feeding rate.

- Pre-sorting of the components on counter working travel plates

- Sorting on linear feeder with machined tooling sections

- High quality, robust, low noise levels, efficient



Conical bowl

A conical bowl provides a higher capacity and with an increase in radius, assists the pre-separation of components. Where necessary, the standard track width, track pitch and the amount of tracks can be adapted to suit the application.

Pre-orientation possible through a sloping track position, which prevents parts jamming between the pitch of the tracks. The closed track type is particularly suitable for

pharmaceutical applications.

heavy sharp-edged components, larger loads, automatic pre-separating. Ideal for the food and pharmaceutical industry.



Cylindrical bowl

These bowls provide a constant feed of components. They are ideal for small components, but have restricted capacity for some applications.

continuous transport of components and for handling small parts



Belt Hopper/ Vibratory hoppers

Hopper would hold a defined number of parts & dose. The bowl feeder on demand from its control system. This gives the operator a window of time between full ups & acts as a bulk storage device. Bowl feeders are often enclosed with an (Wibro make) silencer hood to keep noise levels

low & meet with current factory regulations.



Elevators

Elevators are high performance recharging systems. They store parts to provide greater autonomy to feeder systems while maintaining the feeders with the right amount of parts for optimal performance and are ideal for parts of all shapes and sizes they transport components upwards to the next machine in the production line a major advantage is that they spring a low filling height reducing operator stress and risk while

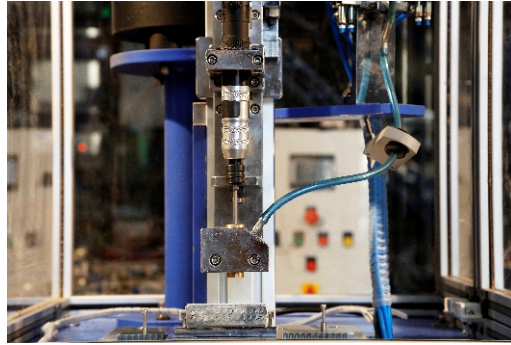
expanding to a large capacity ensuring your assembly system is kept up and running at all times



Automatic screwing machine

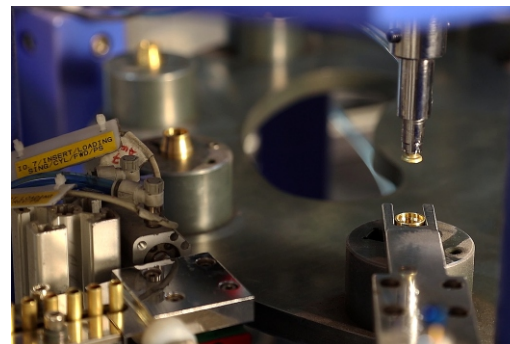
Wibro automatic screw and feeder. Designed for speed stability and convenience. And improving screw driving speed. And work efficiency by integrating pneumatic electrical screwdriver, high tech automatic feeder and high precision jaw, The jaw is customized for particular screw and working environment to provide a stable operation.

Our screw driving products, feed systems and control units – and not least Wibro's automatic screw driving systems – must be able to reflect the complexity of today's assembly processes.



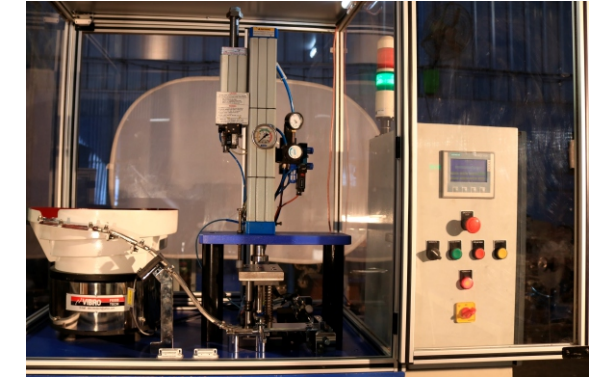
Pick and Place

These systems are basically used in automation system where we require single component to be feed for any further process with specific orientation. These systems can be customized as per your requirements. These systems can be used as standalone systems or can be embedded with your existing systems. We can design gripper for such systems as per component size & shape.



Press Automation

Press line production runs today are smaller and changeovers are numerous. Manufacturers are demanding flexible systems that help increase productivity and safety. Flexible, agile and smart automation systems are becoming critical differentiators in today's challenging market. Machines need to be built to acceptable standards and easily integrate with other equipment in the production line. They also need to reduce energy consumption and increase line efficiency to help meet manufacturer's sustainability objectives. Our press systems automations are can be customized as per your requirements. We can automate mechanical & electrical press for feeding & controlling which will add safety & productivity at same time.



Escapement Unit (Singulation Unit)

Escapement and part isolation mechanisms that isolate parts for your assembly operation.

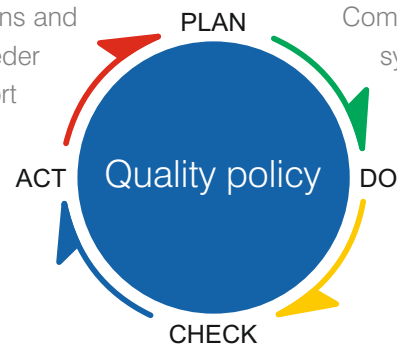
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Quality policy

“Wibro feedtech and automation center Pvt. Ltd.” Is Committed to enhance customer satisfaction by providing them the “Undertake design, Manufacturing, supply, installations and commissioning of Vibratory feeder projects along with AMC support




for installed Bowl feeders systems & special purpose Machines.”As per customers requirement. This will be archived by Complying with the Quality Management system requirements & Continually improving its effectiveness.



Why Wibro ?

We are experts in the design & fabrication of vibratory feeders, Custom made assembly and automation based on a detailed analysis and characteristics of your component.

Any Automation needs:

-  Feeding Systems
-  Optimized Concepts
-  Electronic Synchronization

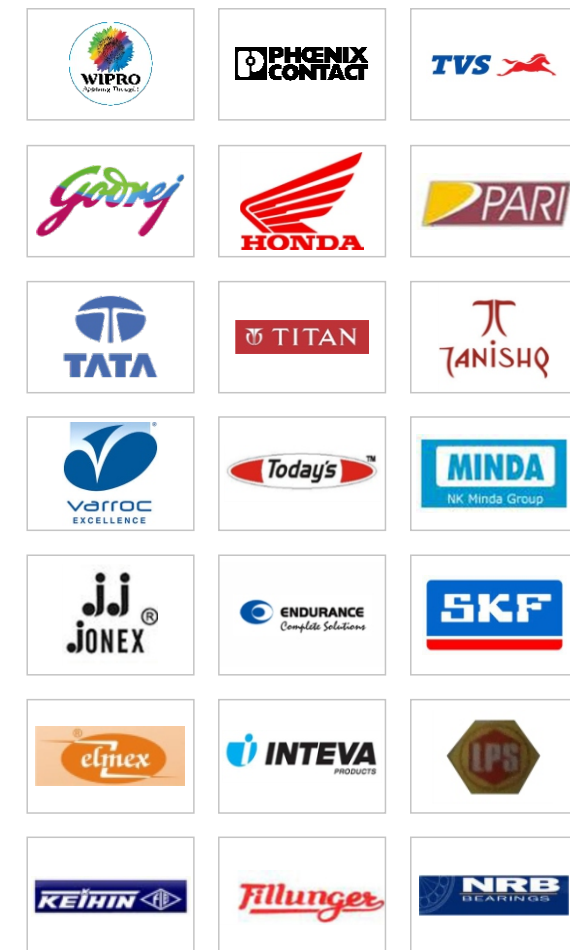
Our team of directors

Prashant Naik: Mechanical Engg. with more than 15 years of experience in Feeding systems and designed more than thousand critical feeders.

Arun Kumbhar: Mechanical Engg. with more than 15 years of experience in Building SPMs and designed more than 500 plus small and big machines.

Amar Kumbhar: Electronics Engg. with more than 12 years of experience in Building SPMs and Electronics Controls Design. Hands on experience on almost all PLCs. travel to almost more than 8 countries for commissioning and installation.

Our clients



Our global Presence

