



INNOVATING AUTOMATION, LEADING THE PACKAGING INDUSTRY

- END OF LINE PACKAGING MACHINE
- SECONDARY PACKAGING MACHINE
- PALLETIZING SYSTEM
- ROBOTIC APPLICATION
- CONVEYORS SYSTEM





ABOUT US

We Avenue automation is an ISO 9001-2015 certified company located in Pune India. We started our journey in 2020. We design, develop and manufacturer of End of line solution, Gantry system, Conveyor system. We have very young and energetic team with new technology concepts.

Avenue automation is a customized solution provider. We offer you wide range solutions like Individual equipment to turnkey solution. we are capable of understanding the need of customer as per market and we give them proper solution with quality and cost effective solution within stipulated time.



Our Mission

At Avenue automation we provide world class End of line packaging solution, & conveyor system, to reduce the man power and increase the efficiency of the customer business.



Our Vision

To be the world's best solution provider of End of line packaging solution and Conveyor system by 2028 with maintaining our core values.

WHY CHOOSE US



QUALITY



INTEGRITY



QUALITY



INNOVATION



RELIABILITY

END OF LINE PACKAGING MACHINE

► Bulk Bagging Machine

Bulk bagging Machine name itself describes that bulk material is packed into bags, Bulk material like granules, fertilizers, powder Etc. In bulk bagging machine material is packed by means of net weighing where weighing hopper is placed above the bags where material is filled by filling conveyor, once the material is reached to desired weigh the filled material is dumped into bag. Weight would be from 5 kg to 50 kg. After material filling the bags are stitched through robust stitching machine and our filled bags are ready to dispatch or palletize.



Area Of Use :

- Powder industry
- Granule industry
- Fertilizer industry
- Salt industry
- Masala Industry
- Pharma industry
- Food Industry
- Cement industry

Advantage :

- To pack granules and powder.
- Accurate weighing.
- Reduce labour cost and time.
- SCADA system for data collection.
- Check weighing.
- Automatic bag loading and stitching system.
- Weight Error indication: Accept and reject Bags Based on tolerance of weighing.
- Remote view: Though LAN Authorized person can have a view of packing process at his desktop.
- Target Setting: operator can change different recipe without getting into precise setting.
- Gate setting: Automatically pneumatic gates sets by controller with respect to the recipe of weight assigned.
- Printer: account management by printer output.
- Password protection: Only Authorized person can access and change settings.

Technical Specification :

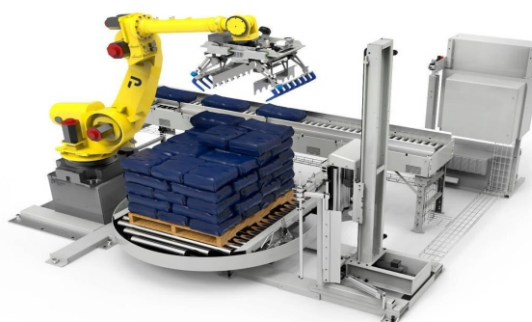
Machine speed	Up to 5 bags per min
Bag	HDPE, Woven, LDPE bags
Type of bags	Pillow bags and Gusseted bags
Machine foot print	2 Mtr. * 2.5 Mtr. (As per bag specification)
Type of machine	Fully automatic /Semi-automatic
Air consumption	4-5 CFM
Power consumption	2-3 kw (Energy efficient)
Material filling weight	5-50 kg

► Palletizing System

Palletizing is the system where bags, bottles and boxes are placed on pallet with proper matrix with the help of robot or gantry system. Product is travelled through conveyor and stopped on the picking conveyor after sensing the sensor, gripper is then pick the product and placed on the pallet as per matrix requirement. Once the required matrix and quantity is placed on the pallet, pallet is then moved on the conveyor where strapping/wrapping is done. Once strapping and wrapping is done then pallet is ready to dispatch or store in ASRS system.

Area Of Use :

- Powder industry
- Granule industry
- Fertilizer industry
- Salt industry
- Masale Industry
- Pharma industry
- Food Industry



Advantage:

- To make matrix of Pouch / Box / bottle on pallet.
- Accurate matrix forming and quantity.
- Reduce labour cost and time.
- SCADA system for data collection.
- Automatic matrix formation and packaging system.

Technical Specification :

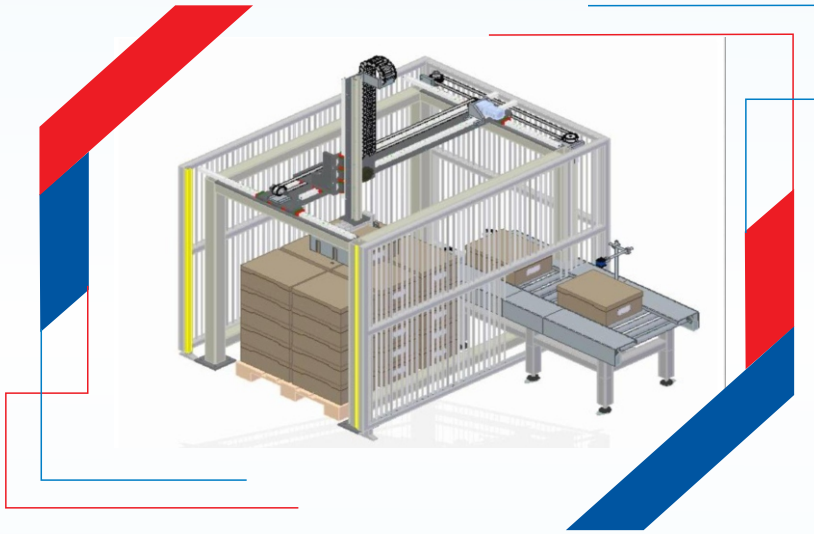
Machine speed	Up to 300-500 products per Hr.
Product to pack	Pouches/Boxes/Bottles
Type of product	LDPE/Corrugated/HDPE
Machine foot print	As per customer specification
Type of machine	Fully automatic /Semi-automatic
Air consumption	6-8 CFM
Power consumption	10-20 kw (Energy efficient)
Material filling weight	5-50 kg

ROBOTIC APPLICATION

► Gantry Pick And Place

Gantry pick and place is similar to the palletizing system but this is cost effective system where bags, bottles and boxes are placed on pallet with proper matrix with the help of gantry system. Product is travelled through conveyor and stopped on the picking conveyor after sensing the sensor, gripper is then pick the product and placed on the pallet as per matrix requirement.

Once the required matrix and quantity is placed on the pallet, pallet is then moved on the conveyor where strapping/wrapping is done. Once strapping and wrapping is done then pallet is ready to dispatch or store in ASRS system.



Area Of Use :

- Powder industry
- Granule industry
- Fertilizer industry
- Salt industry
- Masale Industry
- Pharma industry
- Food Industry

Advantage:

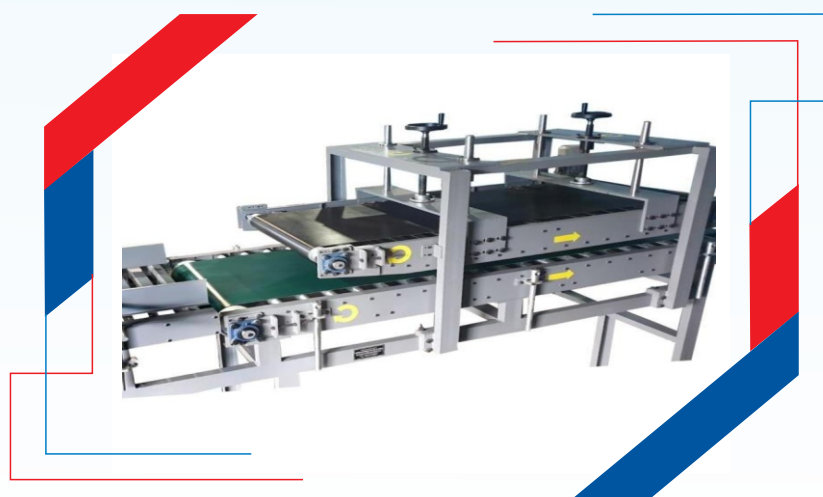
- To make matrix of Pouch / Box / bottle on pallet.
- Accurate matrix forming and quantity.
- Reduce labour cost and time.
- SCADA system for data collection.
- Automatic matrix formation and packaging system.

Technical Specification :

Machine speed	Up to 200-400 products per Hr.
Product to pack	Pouches/Boxes/Bottles
Type of product	LDPE/Corrugated/HDPE
Machine foot print	As per customer specification
Type of machine	Fully automatic /Semi-automatic
Air consumption	6-8 CFM
Power consumption	10-20 kw (Energy efficient)
Material filling weight	5-50 kg

► Bag Flattener And Vibratory Conveyor

Bag flatteners are used to flatten the bags and settle the product uniformly inside t-bags. In this there are two conveyors one above the other, product is passed through this both conveyors and product will get proper shape.



Area Of Use :

- Bag Flattener And Vibratory Conveyor
- Food Processing
- Agriculture
- Chemical & Petrochemical
- Construction Materials
- Logistics & Warehousing

Advantage:

- Bag flattener ensures uniform shape easier handling on the vibratory conveyor.
- Vibratory conveyor can then evenly feed flattened bags to palletizers, sorters, or wrapping systems.
- The combination improves line consistency, efficiency, and product quality.
- Flattened bags stack more evenly and securely on pallets.
- Reduces instability and potential damage during transport.
- Bag flattener is used to compress and flatten filled bags (like flour, cement, fertilizer, etc.) to make them easier to stack, convey, or palletize.

Technical Specification :

Conveyor Type	Belt Conveyor/Roller Conveyor
Product	Bag
Type of Bag	LDP/HDP/Paper Bag
Belt Width	300 mm to 1000 mm
Belt Type	PVC/PU/Rubber/Silicon
Bag Size Compatibility	10 kg to 50 kg
Roller Gap Height Adjustment	0 mm to 400 mm
Frame Material	MS Powder-Coated SS 304
Safety Features	Emergency Stop, Guarding On Pinch Points
Control System	On-Of Switch/VFD Control/PLC Integration

► Loading/ Unloading Conveyor.

Loading and unloading conveyor is used in warehouse where material loading and unloading of vehicle is done by such type of conveyors with easily. When we such type of conveyors are used money and time both will save, and dependency of labour is reduced.

Area Of Use :

Areas of Use for Loading/Unloading Conveyor

- Manufacturing Facilities
- Warehousing & Distribution
- Logistics & Shipping Centers
- Food & Beverage Industry
- E-Commerce & Retail
- Printing & Publishing
- Recycling and Waste Management
- Manufacturing Plants
- Ports & Container Terminals
- Mining & Bulk Material Handling



Advantage:

- Increased Efficiency
- Higher Throughput
- Improved Safety
- Reduced Labor Costs
- Versatility

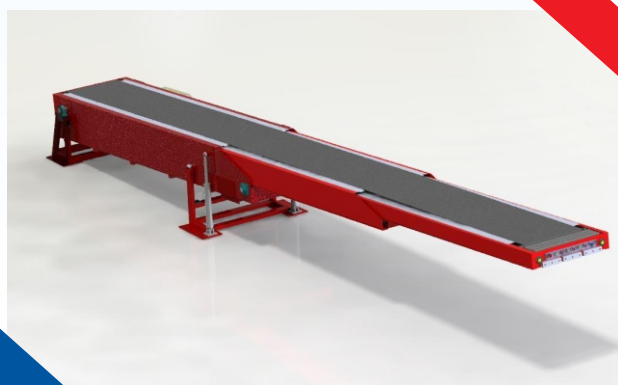
Technical Specification :

Frame Material	MS/SS/Aluminum
Conveyor Type	Belt/Roller
Conveyor Width	500 mm to 1200 mm
Conveyor Length	4000 mm to 12000mm (Customizable)
Height Adjustment	1000 mm to 2500 mm (Manual/Hydraulic/Electrical)
Load Capacity	5 kg to 80 kg/Mtr.
Belt Material	PVC/Rubber/Pu
Conveyor Speed	10-30 Mtr./Mint
Mobility	Fixed/Mobile with Castor Wheels
Power Supply	220V/380V, 50/60 Hz

► Telescopic Conveyor

Telescopic Conveyors Are Conveyors whose length can be varied by telescoping slides on the frame. A telescoping conveyor is a flat conveyor that operates on telescopic slider beds. They are popular at receiving and shipping docks where the conveyor is extended into inbound or outbound trailers for unloading or loading. These conveyors used for loading of boxes and cartons in trucks and containers. The loading and unloading of the truck can be done in minutes. Telescopic conveyors are available in various configuration. It consists of fixed portion and sliding portion for telescopic action.

Projection can be in single, double or three stages depending on requirement. This conveyor can be made mobile and inclination of conveyor can be varied hydraulically.



Area Of Use :

- Telescopic Belt Conveyor
- Logistics & Warehousing
- E-commerce & Retail Fulfillment Centers
- Courier, Express & Parcel (CEP) Services
- Airports
- Manufacturing
- Ports & Rail Yards
- Food & Beverage Distribution
- Furniture & Appliance Distribution
- Automotive Industry

Advantage:

- Increased Loading/Unloading Speed
- Adjustable Length
- Higher Productivity
- Reduced Manual Labour
- Improved Safety
- Adaptability
- Space-Saving

Technical Specification :

Product	Boxes/Bags
Machine speed	25 mtr/min
Type of box	Corrugated Boxes
Machine foot print	Depends on requirement
Type of machine	Fully automatic /Semi-automatic
Air consumption	4-5 CFM
Power consumption	2-3 kw (Energy efficient)
Size of boxes	Up to 600 mm L x 500 mm W x 400 mm H
No. of boom	3+1
Conveyor inclination	By hydraulic cylinder
Conveyor height	900 mm

► Expandable Motorized Roller Conveyor

Expandable Motorized Roller Conveyor is a flexible material handling solution used in warehouses, shipping areas, or manufacturing lines. It combines powered rollers with a flexible, expandable frame, allowing for both efficient conveyance of goods and adaptability to different spatial needs.

Area Of Use :

- Expandable Motorized Roller Conveyor
- Manufacturing Facilities
- Warehousing & Distribution
- Logistics & Shipping Centres
- Food & Beverage Industry
- E-Commerce & Retail
- Printing & Publishing
- Recycling and Waste Management



Advantage:

- Reduces manual handling and labour strain.
- Improves workflow in dynamic spaces.
- Fast setup and tear down.
- Scalable and reconfigurable.

Technical Specification :

Frame Material	MS/SS/Aluminum
Roller Material	MS (Zinc-Coated), SS 304, Or Rubber-Coated
Roller Diameter	26.1 mm to 88.9 mm
Roller Expandable Length	5000 mm to 12000mm (Customizable)
Roller Pitch	55 mm to 125 mm
Load Capacity	1 kg to 100 kg Par Mtr.
Roller Bearings	Ball Bearing
Conveyor Speed	25-30 Mtr./Mint
Speed Control	Variable Via Control Panel or Plc
Power Supply	110V/220V AC Or 24V DC

► Flexible Gravity Roller Conveyor

Flexible Gravity Roller Conveyor is a type of material handling equipment designed for transporting items (usually boxes or totes) with the help of gravity.

It is made of roller sections mounted on a flexible or expandable frame, allowing the conveyor to be extended, curved, contracted, and maneuvered as needed.



Area Of Use :

- Flexible Gravity Roller Conveyor
- Manufacturing Facilities
- Warehousing & Distribution
- Logistics & Shipping Centres
- Food & Beverage Industry
- E-Commerce & Retail
- Printing & Publishing
- Recycling and Waste Management

Advantage:

- Portable and easy to store.
- Cost-effective (no power needed).
- Fast setup for temporary or changing layouts.
- Can conform to existing workstations or dock positions.

Technical Specification :

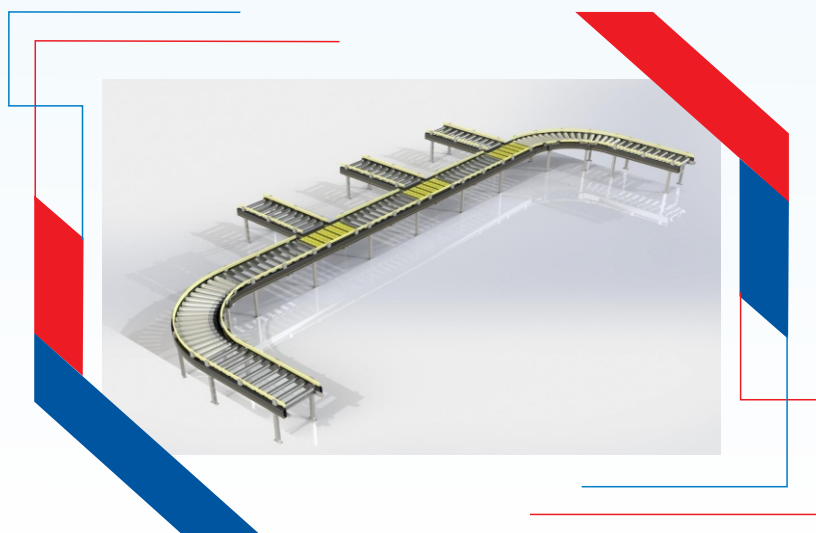
Frame Material	MS/SS/Aluminum
Roller Material	MS (Zinc-Coated), SS 304, Or Rubber-Coated
Roller Diameter	26.1 mm to 88.9 mm
Roller Expandable Length	5000 mm to 12000mm (Customizable)
Roller Pitch	55 mm to 125 mm
Load Capacity	25 kg to 120 kg
Roller Bearings	Ball Bearing

► Fixed Type Roller Conveyor

Fixed Type Roller conveyor is used to transfer solid products like boxes/pallets, this type of conveyor gives you more payload capacity to transfer heavy product. Rollers can be MS plated or SS-304 as per customer requirement. This type of conveyor can transfer 90 degrees, 180 degrees' material.

Area Of Use :

- Roller Conveyor
- Manufacturing Facilities
- Warehousing & Distribution
- Logistics & Shipping Centers
- Food & Beverage Industry
- E-Commerce & Retail
- Printing & Publishing
- Recycling and Waste Management



Advantage:

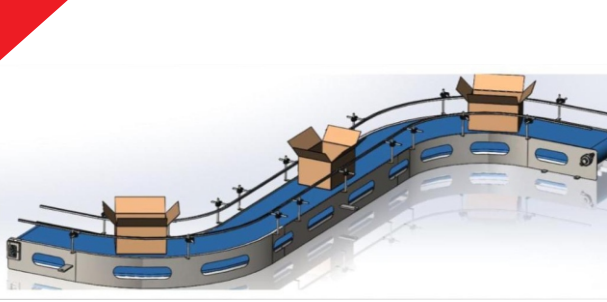
- Ideal for moving heavy or large items over short to medium distances.
- Gravity conveyors use no power, making them environmentally and economically friendly.
- Simple mechanical design with minimal energy consumption (especially gravity-powered types).
- Low maintenance requirements reduce long-term costs.
- Available in powered or gravity versions.
- Reduces the need for manual lifting and carrying, minimizing risk of injury.

Technical Specification :

Frame Material	MS/SS/Aluminum
Frame Material	MS/SS/Aluminum
Roller Material	MS (Zinc-Coated), SS 304, Or Rubber-Coated
Roller Diameter	26.1 mm to 88.9 mm
Roller Length	100 mm to 1500mm (Customizable)
Roller Pitch	30 mm to 200 mm
Load Capacity	10 kg to 80 kg
Roller Bearings	Ball Bearing

► Modular Belt Conveyor

Modular belt conveyor is used to transfer material from one station to another station here may height of product transfer is different and it can transfer in 90 degrees, 180 degrees. In this conveyor food grade and non-food grade belts are available as per customer requirement.



Area Of Use :

- Modular Belt Conveyor
- Food processing (meat, dairy, bakery, fruits)
- Bottling and packaging
- Automotive parts movement
- Electronics assembly lines
- Pharmaceutical transport
- Packaging & Logistics
- Textile and Printing
- E-commerce & Distribution Centers

Advantage:

- Easy to repair: Damaged sections can be replaced individually.
- Flexible layout: Easily configured for curves, inclines, declines, and straight sections.
- Open-hinge design allows for better sanitation-ideal for food and pharmaceutical industries.
- Can include sidewalls, flights, and attachments.
- Adaptable to specific products or production lines.

Technical Specification :

Belt Type	Modular Plastic Belt (PP, PE, Or POM/Acetal)
Frame Material	Stainless Steel(304/316)/Aluminum/Mild Steel
Conveyor Width	100 mm to 2000 mm (Customizable)
Conveyor Length	500 mm to 30000mm (Customizable)
Belt Pitch	12.7 mm, 25.4 mm, 38.1 mm (Depending On Belt Type)
Degree Of Conveyor Type	15°, 30°, 45°, 90°, 180°
Conveyor Height	As For Requirement
Side Guides	Optional, Adjustable UHMW/ SS 304/MS/Aluminum
Load Capacity	Up to 150 kg/Mtr. (Depends On Belt And Frame)
Operating Speed	1 to 30 Mtr./Min (Variable Speed Options Available)
Drive Type	Direct/Indirect
Belt Support	Wear Strips (UHMW)/Roller

CONVEYORS SYSTEM

► Take Up Conveyor

Take up conveyor is used to transfer material from one station to another station here height of product transfer is different. In this conveyor food grade and non-food grade belts are available as per customer requirement.

Area Of Use :

- Take-Up Conveyors
- Logistics and Warehousing
- Dairy Industry
- Cold Storage Industry
- Mining and Quarrying
- Bulk Material Handling
- Manufacturing Facilities



Advantage:

- Prevents slippage and sagging, ensuring smooth operation and extending belt life.
- Belts naturally stretch over time; a take-up system automatically adjusts for this.
- Proper tension improves drive efficiency and reduces wear on components.
- Reduces the need for manual re-tensioning, especially with automatic (gravity or hydraulic) systems.
- Maintains alignment, which helps prevent belt damage and material spilla.

Technical Specification :

Conveyor Type	Belt Conveyor
Product	Boxes/bottles
Type of box	Corrugated Boxes/all types of bottles
Take-Up Type	Gravity Take-Up
Belt Width	100 mm to 1200 mm
Belt Type	PVC/PU/Rubber/Silicon/Cleated Belt
Capacity	Up to 80 KG Par Mtr.
Take-Up Travel	0.5 Mtr. to 6 Mtr.
Counterweight Mass	(Calculated Based On Belt Tension)
Pulley Diameter	OD25 mm to OD250 mm
Mounting	Floor structure mounted
Frame Material	Mild Steel/Galvanized/Stainless Steel
Operating Temperature	-20°C to +80°C
Safety Features	Emergency Stop Switch

► Flat Belt Conveyor

Flat belt conveyor is used to transfer material from one station to another station here height of product transfer is same. In this conveyor food grade and non-food grade belts are available as per customer requirement.



Area Of Use :

- Flat Belt Conveyor
- Industrial Manufacturing
- Logistics and Warehousing
- Food and Beverage Industry
- Automotive Industry
- Pharmaceutical and Chemical Industries
- Printing and Paper Industry

Advantage:

- Modern flat belts can transmit power with efficiencies up to 100%, minimizing energy loss and reducing operating costs—especially important in high-speed, long-distance drives.
- Their smooth design also helps conserve energy by avoiding slippage due to larger contact surfaces.
- Flat belts operate with relatively low noise compared to chain or roller systems, making them ideal for quiet work environments such as packaging or food processing lines.

Technical Specification :

Product	Boxes/Bags
Belt Width	50 mm To 2000 mm (Customizable)
Belt Type	PVC/PU/Rubber/Silicon/Fabric Reinforced
Conveyor Length	0.5 Mtr. to 30 Mtr. (Based On Application)
Conveyor Width	100 mm to 2100 mm (Frame Size)
Machine Speed	1 Mtr/Min to 100 Mtr/Min
Conveyor Height	Adjustable (Typically 300-1500 mm)
Frame Material	Mild Steel (Powder Coated)/SS 304/SS 316
Support Legs	Square Tube/Channel/Aluminum Profile
Pulley Diameter	50 mm to 200 mm (Depend on Load)
Roller Type	Mild Steel/SS With Sealed Bearings

► Industrial Hydraulics Scissor Lift

comprehensive technical specification overview for an Industrial Hydraulic Scissor Lift (Hydraulic Scissor Lift Table) – the kind used in warehouses, production lines, loading docks and material-handling applications: Rated lifting capacity typically ranges from 500 kg to 5000 kg or more (0.5–5 tons) depending on model/design.

Area Of Use :

- Loading/unloading heavy goods from trucks.
- Vertical material positioning in warehouses.
- Maintenance access for machinery and buildings.
- Lifting personnel and equipment during assembly/repairs.



OUR PRODUCTS



End of Line Packaging Machine



Secondary Packaging Machine



Palletizing System



Conveyors System

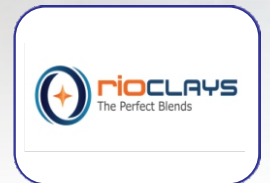


Robotic Application

INTERNATIONAL PRESENCE



DOMESTIC PRESENCE



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