



INNOVATING YOUR
AUTOMATION JOURNEY

PRODUCT CATALOGUE

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INTRODUCTION

Welcome to Mozi Tronics

Revolutionizing Automation for Packaging Solution

At **Mozi Tronics**, we pride ourselves on providing innovative and reliable solutions designed to enhance efficiency in packaging and processing. Our advanced machinery is engineered to meet the demands of modern industries, ensuring your operations run smoothly and effectively.

Explore our cutting-edge product offerings that combine **Precision, Automation, & Sustainability**.

**COMMITTED TO UNLOCKING
OUR NATION'S AUTOMATION POTENTIAL!**

TRANSFORMING
THE FUTURE OF
AUTOMATION

AUTO CASE PACKERS

"Pack Smart, Automate Right, Move Better!"

Our Auto Case Packer Machines are designed to automate the packing process, allowing businesses to increase throughput and reduce labor costs. Engineered with advanced technology, these machines ensure consistent packing, reduce product damage, and maximize operational efficiency.

Benefits

- Cost-Effective Solution
- Increased Productivity
- Flexible Packaging Options
- Consistency in Quality



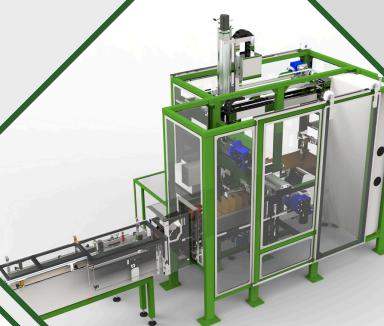
single Pack Biscuit Packing

Biscuit Packaging Expertise



Over Wrap Packing

Noodles Packaging Solutions



Chain Pack Collators

Single Pack Solutions

Features

- High-Speed Operation
- Durable Construction
- Versatile Design
- Increased Productivity



Proudly recognised with the prestigious **PAC MACHINE 2024** award from the esteemed Indian Institute of Packaging

TECHNICAL SPECIFICATIONS

AUTO CASE PACKER | NOODLE CHAIN

PACK SPECIFICATIONS		BASIC FEATURES	
Type of Pack	Noodles Chain Pack (Laddi)	Nos. of variations	Single
Cake geometry	Circular / Rectangular	Prefeed	Prefeed conveyor with pack count detection
Nos. of Packs per Chain	9 to 12	Infeed	High speed infeed conveyor with rejection system for pack count discrepancy
Pack dimension (mm)	<ul style="list-style-type: none"> Length: 100 to 120 Width: 90 to 100 Thickness: 25 to 30 	Auto Chain Folding (ACF)	Servo Driven Dual type ACF conveyor with pusher
Pack Weight	25 gm to 35 g	Stacking	Servo Driven Stacker with Table
Pack Matrix in CFC	Chains per Layer: 6 to 8 Nos. of Layers: 6 (maximum)	PNP	Servo Driven Pick and Place module for CFC filling
DIMENSION AND WEIGHT		CFC Handling	
Foot Print of ACP Main (L x W x H)	3500mm x 1800mm x 2000mm	Infeed roller conveyor for 3 CFC buffer (manual case erection) Outgoing Roller Conveyor for 1 CFC buffer	
Prefeed and Infeed Conveyor	3500mm x 500mm x 900 mm	Rejection Bin	Stack rejection bin
Weight	1250 kg (approx.)	Panel	Microcontroller based Integral Panel with HMI
OUTPUT		Technology	Pneumatic and Servo operated motions controlled by microcontroller-based system, Servo driven PNP robotics for top filling with vacuum gripper heads
Capacity (packs/min)	<ul style="list-style-type: none"> 220 ppm for 9 pack chain 245 ppm for 10 pack chain 270 ppm for 11 pack chain 300 ppm for 12 pack chain 	Basic Safety	360° Guarding for all moving parts, Safety category-3
ADVANCED FEATURES (OPTIONAL)			
CFC Filling Efficiency	> 99%	Pack count, size and weight changeover	Possible with Additional Changeover Components for limited variation in count, size and weight
Scrap	< 2%	Incoming Conveyors from Wrapping machine	Additional straight / flexible conveyors
Pack count accuracy inside CFC	100%	Automatic Case Erector	Compact Automatic Case Erector for CFC
Machine running uptime	>97%	Outgoing CFC Conveyor System	Roller conveyor / Belt Conveyor
Overall efficiency	>97%	Traffic Control System	CFC Traffic control system for multiple CFC merging
Manpower Required	1 person	Vacuum pump	Vacuum pump in place of ejector type vacuum generator
CONSUMPTIONS		Advanced Safety	
Installed Power	7 kW	Safety category-4	
Voltage	<ul style="list-style-type: none"> 1 x 230 V, 50 Hz (UPS Power) 3 x 415 V, 50 Hz (for Vacuum pump, if provided) 		
Air Supply	5 bar		
Air Consumption	<ul style="list-style-type: none"> 200 NLPM (FAD) with vacuum pump 400 NLPM (FAD) with ejector type vacuum generator 		

TECHNICAL SPECIFICATIONS

AUTO CASE PACKER | NOODLE SINGLE PACK

PACK SPECIFICATIONS		BASIC FEATURES	
Type of Pack	Noodles Single Pack	Nos. of variations	Single
Cake geometry	Circular / Rectangular	Infeed	High speed infeed conveyor with rejection system for disoriented packs
Pack dimension (mm)	<ul style="list-style-type: none"> Length: 100 to 120 Width: 90 to 100 Thickness: 25 to 30 	ACP Main	Dual Servo driven Racetrack collator, Servo Driven Stacker with Table, Servo Driven Pick and Place module for CFC filling, Infeed roller conveyor for 3 CFC buffer (manual case erection), Outgoing Roller Conveyor for 1 CFC buffer
Pack Weight	25 gm to 35 gm	Rejection Bin	Stack rejection bin
Pack Matrix in CFC	<ul style="list-style-type: none"> Packs per row: 9 to 12 Nos. of rows: 6 to 8 Nos. of Layers: 6 (maximum) 	Panel	Microcontroller based Integral Panel with HMI
DIMENSION AND WEIGHT		Technology	
Foot Print of ACP Main (L x W x H)	3500mm x 1800mm x 2000mm	Basic Safety	360° Guarding for all moving parts, Safety category-3
Prefeed and Infeed Conveyor	3500mm x 500mm x 900 mm	ADVANCED FEATURES (OPTIONAL)	
Weight	1250 kg (approx.)	Pack count, size and weight changeover	Possible with Additional Changeover Components for limited variation in count, size and weight
OUTPUT		Incoming Conveyors from Wrappingmachine	Additional straight / flexible conveyors
Capacity (packs/min)	200 ppm	Automatic Case Erector	Compact Automatic Case Erector for CFC
CFC Filling Efficiency	> 99%	Outgoing CFC Conveyor System	Roller conveyor / Belt Conveyor
Scrap	< 2%	Traffic Control System	CFC Traffic control system for multiple CFC merging
Pack count accuracy inside CFC	100%	Vacuum pump	Vacuum pump in place of ejector type vacuum generator
Machine running uptime	>97%	Advanced Safety	Safety category-4
Overall efficiency	>97%	CONSUMPTIONS	
Manpower Required	1 person	Installed Power	7 kW
		Voltage	<ul style="list-style-type: none"> 1 x 230 V, 50 Hz (UPS Power) 3 x 415 V, 50 Hz (for Vacuum pump, if provided)
		Air Supply	5 bar
		Air Consumption	<ul style="list-style-type: none"> 200 NLPM (FAD) with vacuum pump 400 NLPM (FAD) with ejector type vacuum generator

TECHNICAL SPECIFICATIONS

AUTO CASE PACKER | BISCUIT OVERWRAP

PACK SPECIFICATIONS		BASIC FEATURES	
Type of Pack	Biscuit Overwrap Pack	Nos. of variations	Single
Overwrap dimension (mm)	<ul style="list-style-type: none"> Length: 200 to 300 Width: 150 to 200 Thickness: 30 to 60 	Infeed	Infeed conveyor with rejection system for disoriented packs
Pack Weight	500 gm to 1 kg	ACP Main Module	Comprised of Stacking, robotic bottom filling, CFC Stacker, CFC Erector and former Unit (CEFU), CFC forwarding system, filled CFC delivery system
Pack Matrix in CFC	Overwrap per Layer: 1 to 2 Nos. of Layers: 7 (maximum)	Panel	Microcontroller based Integral Panel with HMI
DIMENSION AND WEIGHT		ADVANCED FEATURES (OPTIONAL)	
Foot Print of ACP Main (L x W x H)	3600mm x 4000mm x 2100mm	Pack size and weight changeover	Possible with Additional Changeover Components for limited variation in size and weight (changeover not possible for pack count per layer)
Infeed Conveyor System	2800mm x 1400mm x 1000 mm	Prefeed Management System	Additional conveyor system for proper alignment of overwraps (May be essential for disoriented output from overwrapping machine)
Weight	2500 kg (approx.)	Outgoing CFC's Top Folding System	Additional top flap folding system for proper functioning of taping machine
OUTPUT		CONSUMPTIONS	
Capacity (packs/min)	60 ppm (max)	Outgoing CFC Conveyor System	Roller conveyor / Belt Conveyor
CFC Filling Efficiency	> 99%	Traffic Control System	CFC Traffic control system for multiple CFC merging
Scrap	< 2%	Vacuum pump	Vacuum pump in place of ejector type vacuum generator
Pack count accuracy inside CFC	100%	Advanced Safety	Safety category-4
Machine running uptime	>97%	CONSUMPTIONS	
Overall efficiency	>97%	Installed Power	7 kW
Manpower Required	1 person	Voltage	1 x 230 V, 50 Hz (UPS Power) 3 x 415 V, 50 Hz (for Vacuum pump, if provided)
		Air Supply	5 bar
		Air Consumption	<ul style="list-style-type: none"> 150 NLPM (FAD) with vacuum pump 350 NLPM (FAD) with ejector type vacuum generator

TECHNICAL SPECIFICATIONS

AUTO CASE PACKER | BISCUIT SINGLE PACK

PACK SPECIFICATIONS		BASIC FEATURES	
Type of Pack	Single Pack	Nos. of variations	Single
Pack Shape	Rectangular / Round	Infeed	Infeed conveyor with rejection system for disoriented packs
Pack dimension (mm)	<ul style="list-style-type: none"> Length: 40mm to 120mm Width: 40 to 60 Thickness: 25 to 30 	ACP Main Module	Comprised of racetrack collator, pushing and stacking system, PNP robotic system with vacuum gripper head, stacking table with pneumatic gate opener, CFC Stacker, CFC Erector and former Unit (CEFU), CFC forwarding system, filled CFC delivery system
Pack Weight	20 gm to 100 gm	Panel	Microcontroller based Integral Panel with HMI
Pack Matrix in CFC	Packs per row: 6 to 8 Nos. of rows: 2 for biscuit length up to 60 mm, 4 for above 60 mm Nos. of Layers: 7 (maximum)	Technology	Pneumatic and Servo operated motions controlled by microcontroller-based system, Servo driven PNP robotics for top filling with vacuum gripper heads
DIMENSION AND WEIGHT		Basic Safety	360° Guarding for all moving parts, Safety category-3
ADVANCED FEATURES (OPTIONAL)			
Foot Print of ACP Main (L x W x H)	3800mm x 2300mm x 2300mm	Pack size and weight changeover	Possible with Additional Changeover Components for limited variation in size and weight
Infeed Conveyor System	1800mm x 600mm x 1000 mm	Incoming Conveyors from primary packing machine	Additional straight / flexible conveyors
Weight	2000 kg (approx.)	Manual packing conveyor provision	Manual packing conveyor with tilting station and flat CFC rack
OUTPUT		Outgoing CFC's Top Folding System	Additional top flap folding system for proper functioning of taping machine
Capacity (packs/min)	<ul style="list-style-type: none"> 300 ppm (max) for up to 60 mm long (double entry to collator) 150 ppm (max) for above 60 mm long (single entry to collator) 	Outgoing CFC Conveyor System	Roller conveyor / Belt Conveyor
CFC Filling Efficiency	> 99%	Traffic Control System	CFC Traffic control system for multiple CFC merging
Scrap	< 2%	Vacuum pump	Vacuum pump in place of ejector type vacuum generator
Pack count accuracy inside CFC	100%	Advanced Safety	Safety category-4
CONSUMPTIONS			
Machine running uptime	>97%	Installed Power	7 kW
Overall efficiency	>97%	Voltage	1 x 230 V, 50 Hz (UPS Power) 3 x 415 V, 50 Hz (for Vacuum pump, if provided)
Manpower Required	1 person	Air Supply	5 bar
		Air Consumption	<ul style="list-style-type: none"> 175 NLPM (FAD) with vacuum pump 350 NLPM (FAD) with ejector type vacuum generator

CHECKWEIGHER MACHINES

"Precision in Every Pack, Accuracy in Every Weigh!"

Ensure quality and compliance with our state-of-the-art Checkweigher Machines. These systems provide fast and accurate weight measurements, critical for maintaining standards in food, pharmaceutical, and consumer goods packaging.

Benefits

- Enhance Product Quality
- Minimize Waste
- Regulatory Compliance
- Cost Savings



High-Speed Single Pack Weighing



Filled Carton Weighing

Features

- High-Speed Weighing
- Dynamic Adjustment
- Integrated Reporting

TECHNICAL SPECIFICATIONS

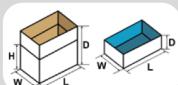
CHECKWEIGHER

SKU / CONTAINER / PACK SPECIFICATIONS

Type of Container / Pack Cases (CBB), Trays, Crates, Packs

Size Range (L x W x D)

- Standard Model:
 - Min. 150 (L) x 100 (W) x 50 (D)
 - Max. 650 (L) x 400 (W) x 650 (D)



High Speed Model:

- Min. 50 (L) x 50 (W) x 10 (D)
- Max. 400 (L) x 250 (W) x 200 (D)

DIMENSION AND WEIGHT (STANDARD MODEL)

Foot Print (L x W x H) 2325mm x 1550mm x 1500mm

Conveyor belt top height 650±50 mm to 900±50

Weight 150 kg (approx.)

DIMENSION AND WEIGHT (HIGH SPEED MODEL)

Foot Print (L x W x H) 1700mm x 880mm x 1100mm

Conveyor belt top height 650±50 mm to 900±50

Weight 100 kg (approx.)

OUTPUT (STANDARD MODEL)

Maximum Output Speed 25 C/Min for L <=450 mm
(Decreases with increasing length above 450 mm)

Maximum Load 15 kg

Minimum Load 100 gm

Dynamic Accuracy ± 20 gm for up to 12 C/Min
± 30 gm for above 12 C/Min

OUTPUT (HIGH SPEED MODEL)

Maximum Output Speed 60 C/Min for L <=300 mm
(Decreases with increasing length above 300 mm)

Maximum Load 2 kg

Minimum Load 100 gm

Dynamic Accuracy ± 10 gm for up to 25 C/Min
± 20 gm for above 25 C/Min

BASIC FEATURES

Nos. of SKU (Weight based) Single

Infeed Conveyor PVC/PU belt conveyor with pneumatic stopper

Weighing Conveyor PVC/PU belt conveyor mounted on load cell with proper balance

Rejection Conveyor Motorized Roller conveyor with pneumatic rejection cylinder

Rejection Table Reject collection table with inclined top surface

Weighing Technology Load cell

ADVANCED FEATURES (OPTIONAL)

Weight Based Multiple SKUs Facility Multiple SKUs can run at the same (There should be minimum 600 gm weight difference between any two SKUs)

Pre-printed Code Scanner Bar / QR Code scanner with flash light, software for HMI (supports 10 SKUs /line), Bar Code / QR Code pre-printed on SKU/container side

Line Printer Integration Line printer integration card to integrate new/existing printer with the checkweigher

Printing Conveyor Slant roller type conveyor to ensure required distance Container/SKU side from the printer

Rejection Conveyor Inclined Roller Table (perpendicular / parallel to the rejection conveyor)

Advanced Safety Full canopy type cover with Acrylic / Polycarbonate sheets, door interlock, Safety category-3/4

CONSUMPTIONS

Installed Power 0.75 kW

Voltage 1 x 230 V, 50 Hz

Air Supply 5 bar

Air Consumption 0.5 NI / normal cycle
3 NI / rejection cycle

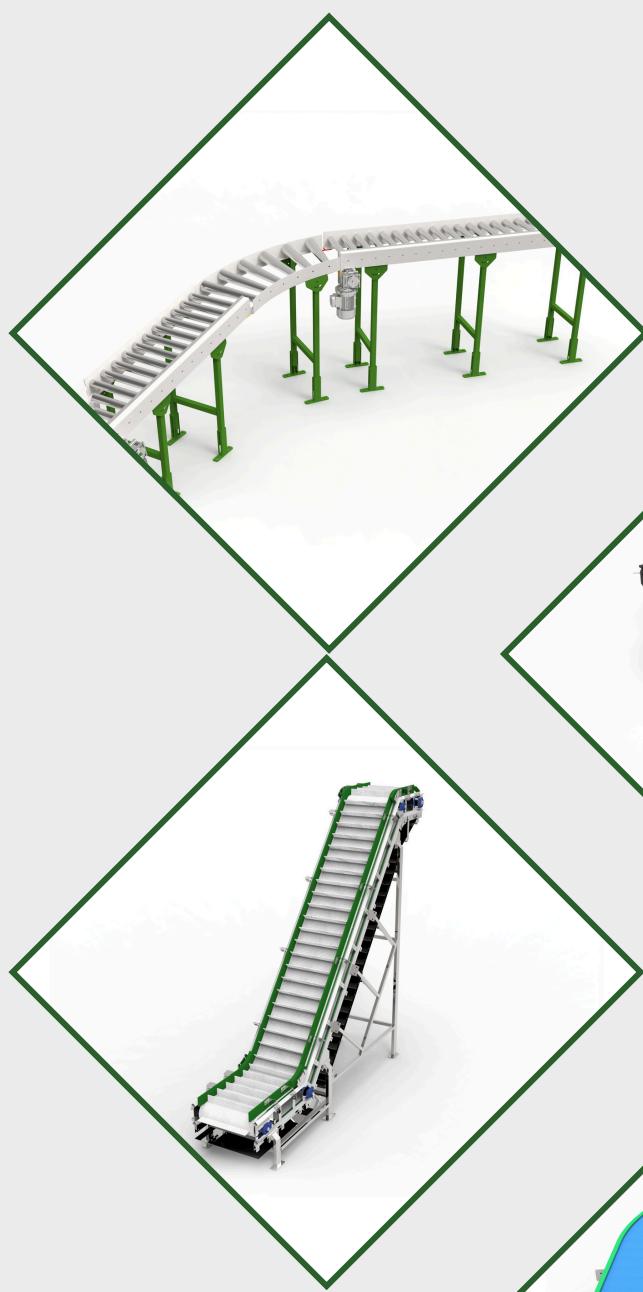
DYNAMIC CONVEYORS

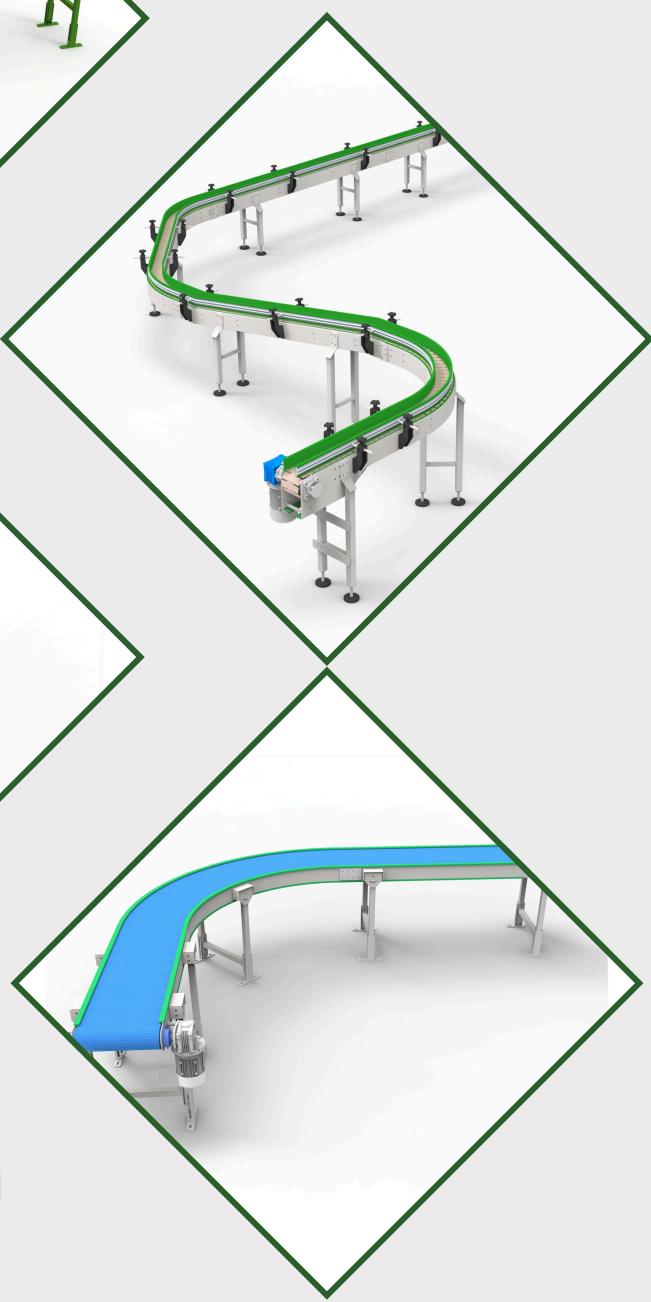
"Streamline Your Production Line with Seamless Solutions!"

Our Dynamic Conveyors provide a robust solution for transporting products through various stages of production. Designed for versatility and efficiency, these conveyors enhance workflow and minimize handling times.

Features

- Modular Design
- Smooth Operation
- High Durable Construction





Benefits

- Enhanced Workflow
- Increased Efficiency
- Versatile Applications

TECHNICAL SPECIFICATIONS

FABRIC BELT CONVEYOR (PU, PVC)

BASIC FEATURES		ADVANCED FEATURES (OPTIONAL)	
Belt	PU / PVC	Variable Speed	VFD inside panel
Belt texture	Plain, friction grip structure, low friction, high friction etc.	Monolithic belt	Monolithic PU belt with integral side guard, plain or cleated
Belt width	60 mm to 1500 mm	Vertical swing	Vertical swing open type for human access
Conveyor Length	Maximum 15 m	Advanced Safety	Force balancing air cylinder, Limit switch for swing open type
Height	As per requirement, adjustable by ±50 mm	CONSUMPTIONS	
Conveyor speed	Maximum 1.5 m/s (depending on load and dimension)	Installed Power	0.18 – 2.5 kW (Depending on load capacity)
Conveyor carrying side	Bed plate (SS/MS), carrying idler (depending on length)	Voltage	1 x 230 V, 50 Hz for with VFD 3 x 415 V, 50 Hz for without VFD
Conveyor Return side	Return idler (depending on length)	MAKES	
MOC of body and structure	MS (Powder coated) or SS (as per customer's choice)	Geared motor	Bonfiglioli, Rotomotive, Motovario, Bonvario or equivalent
Drive	AC Induction Geared Motors	Belt	Franstech, Modutech, Chiorini, Habasit or equivalent
Motor Location	a. Directly with head shaft b. Indirectly through intermediate belt (V-belt or Timing belt) transmission c. Mid location of conveyor with additional position adjustable drive unit	Bearing	SKF, NTN, FAG or equivalent
Gearbox Mount	Torque arm, output flange	VFD	Fuji, Delta or equiv.
Bearing	Flanged Bearing unit (square, round, oval, triangular)		
Side guide	Guide plate, guide rod		
Electrical Panel	Panel containing start, stop, emergency push buttons, LOTO, indication lamp		
Basic Safety	360° Guarding for all moving parts, LOTO, Emergency stop, Safety category-2		

TECHNICAL SPECIFICATIONS

PLASTIC MODULAR BELT CONVEYOR

BASIC FEATURES		ADVANCED FEATURES (OPTIONAL)	
Belt	Plastic Modular Belt	Variable Speed	VFD inside panel
Belt pitch	0.5" to 2"	Cleated belt -	Cleated at desired interval
Sprocket	Molded (single / split), machined	Z-Shape	Z-conveyor for steep lifting of material
Belt width	85 mm to 1500 mm	Food Process areaconveyor	SS304 construction with food grade components in wet application
Conveyor Length	Maximum 20 m	Vertical swing	Vertical swing open type for human access
Conveyor geometry	Straight / Curved with radius belt	Advanced Safety	Force balancing air cylinder, Limit switch for swing open type
Height	As per requirement, adjustable by ±50 mm	CONSUMPTIONS	
Conveyor speed	Maximum 1 m/s (depending on load and dimension)	Installed Power	0.18 – 2.5 kW (Depending on load capacity)
Conveyor carrying side	UHMWPE Wear strips	Voltage	1 x 230 V, 50 Hz for with VFD 3 x 415 V, 50 Hz for without VFD
Conveyor Return side	Return idler (depending on length)	MAKES	
MOC of body and structure	MS (Powder coated) or SS (as per customer's choice)	Geared motor	Bonfiglioli, Rotomotive, Motovario, Bonvario or equivalent
Drive	AC Induction Geared Motors	Belt	Spectra plast, Modutech, Habasit or equivalent
Motor Location	a. Directly with head shaft b. Indirectly through intermediate belt (V-belt or Timing belt) transmission	Bearing	SKF, NTN, FAG or equivalent
Gearbox Mount	Torque arm, output flange	VFD	Fiji, Delta or equiv.
Bearing	Flanged Bearing unit (square, round, oval, triangular)	Basic Safety	
Side guide	Guide plate, guide rod	360° Guarding for all moving parts, LOTO, Emergency stop, Safety category-2	
Electrical Panel	Panel containing start, stop, emergency push buttons, LOTO, indication lamp		
Basic Safety			

TECHNICAL SPECIFICATIONS

SLAT CHAIN / FLEXI CHAIN CONVEYOR

BASIC FEATURES

Belt	Plastic Slat Chain, Flexi chain, Multi Flex Chain
Application	Horizontal and vertical bending flexibility for transfer of chain packs, biscuits, crates, any other packs etc. at high speed
Belt pitch	0.5" to 2"
Sprocket	Molded (single / split), machined
Chain width	42 mm to 300 mm
Conveyor Length	Maximum 20 m
Conveyor geometry	Straight, Curved (horizontal / vertical) within limited radius
Height	As per requirement, adjustable by ±50 mm
Conveyor speed	Maximum 1.5 m/s (depending on load and dimension)
Conveyor carrying side	UHMWPE Wear strips
Conveyor Return side	UHMWPE Wear strips
Bend corner	UHMWPE Corner guide block
MOC of body and structure	MS (Powder coated) or SS (as per customer's choice)
Drive	AC Induction Geared Motors
Motor Location	Directly with head shaft
Gearbox Mount	Torque arm, output flange
Bearing	Flanged Bearing unit (square, round, oval, triangular)
Side guide	Guide plate, Aluminium with Plastic profiles, guide rod
Electrical Panel	Panel containing start, stop, emergency push buttons, LOTO, indication lamp
Basic Safety	360° Guarding for all moving parts, LOTO, Emergency stop, Safety category-2

ADVANCED FEATURES (OPTIONAL)

Variable Speed	VFD inside panel
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CONSUMPTIONS

Installed Power	0.18 – 1.5 kW (Depending on load capacity)
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Voltage	1x 230 V, 50 Hz for with VFD 3 x 415 V, 50 Hz for without VFD
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MAKES

Geared motor	Bonfiglioli, Rotomotive, Motovario, Bonvario or equivalent
Belt	Spectra plast, Modutech, Habasit or equivalent
Bearing	SKF, NTN, FAG or equivalent
VFD	Fuji, Delta or equiv.

TECHNICAL SPECIFICATIONS

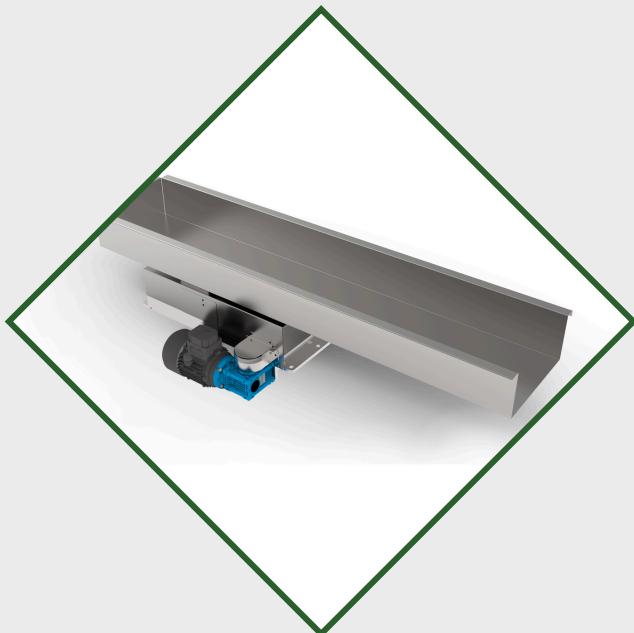
ROLLER CONVEYOR

BASIC FEATURES		ADVANCED FEATURES (OPTIONAL)	
		Variable Speed	VFD inside panel
Drive Roller		Conveying large packs, CBB, containers etc.	
Conveyor width	300 mm to 750 mm	Installed Power	
Idler Roller	Idler roller for gravity flow	0.18 – 1.5 kW (Depending on load capacity)	
Application	Conveying large packs, CBB, containers etc.	Voltage	
Conveyor geometry	Straight with cylindrical roller, curved with tapered roller	<ul style="list-style-type: none"> • 1 x 230 V, 50 Hz for with VFD • 3 x 415 V, 50 Hz for without VFD 	
Roller diameter	25 mm to 85 mm	MAKES	
Chain Sprocket pitch	½", ¾"	Geared motor	Bonfiglioli, Rotomotive, Motovario, Bonvario or equivalent
Conveyor Length	Maximum 10 m	Chain	Renold, Diamond or equivalent
Conveyor geometry	Straight, Curved (horizontal / vertical) within limited radius	VFD	Fuji, Delta or equiv.
Height	As per requirement, adjustable by ±50 mm		
Conveyor speed	Maximum 0.5 m/s		
MOC of roller	MS (Galvanized), SS (as per customer's choice), Plastic tapered rings for tapered roller		
MOC of body and structure	MS (Powder coated) or SS (as per customer's choice)		
Drive	AC Induction Geared Motors		
Motor Location	Directly at head end or intermediate location at limited distance from head end		
Gearbox Mount	Foot mount		
Side guide	Guide plate, guide rod		
Electrical Panel	Panel containing start, stop, emergency push buttons, LOTO, indication lamp		
Basic Safety	360° Guarding for all moving parts, LOTO, Emergency stop, Safety category-2		

FASTBACK VIBRATORY FEEDER SYSTEMS

"Precision Feed, Streamlined Speed!"

The Fastback Vibratory Feeder system is engineered for optimal performance in material handling and processing. Designed to enhance efficiency and reduce waste, our vibratory feeder is the ideal solution for businesses looking to maximize throughput and maintain product integrity.



Benefits

- Increased Throughput
- Reduced Downtime
- Versatile Applications
- Cost Savings

Features

- Gentle Product Handling
- Variable Speed Control
- Modular Design.
- Durable Construction

POTATO AUTO HALVER

"Perfectly Halved—Every Time!"

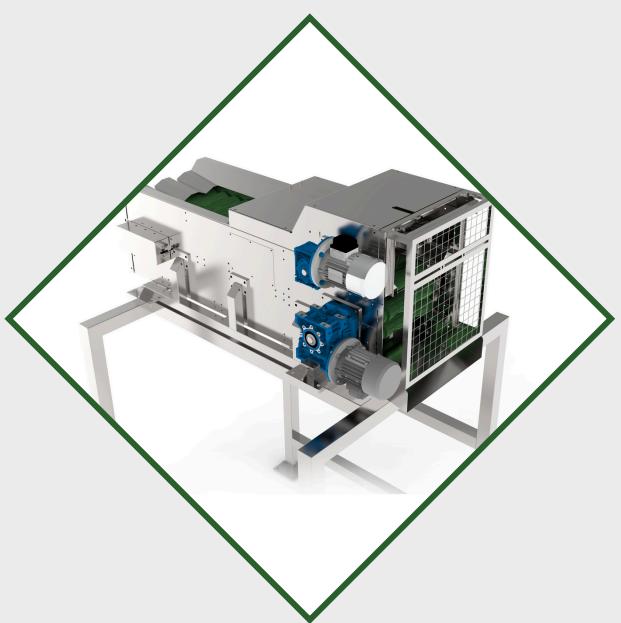
The Potato Auto Halver is the ultimate solution for consistent and efficient potato processing. Designed for high-speed production lines, this machine ensures precise halving of potatoes, enhancing the uniformity & quality of your product offerings.

Benefits

- Consistency in Quality
- Increased Efficiency
- Less Waste
- Improved Hygiene

Features

- High-Speed Operation.
- Adjustable Cutting Mechanism.
- User-Friendly Interface
- Safety Features



TECHNICAL SPECIFICATIONS

FASTBACK VIBRATORY CONVEYOR

CONVEYED PRODUCT		ADVANCED FEATURES (OPTIONAL)																											
Type of Product	Snacks (Potato chips, grain made puffed snacks, flat grain made chips of various shapes etc.)	Special Design Tray	Cascading Type Inclined Tray to reduce fall height																										
Product dimension	Variable up to 60 mm	Display and Control	HMI																										
Product Bulk Density	150 – 350 gm/l	Support Structure	Customized design as per site condition																										
OUTPUT		CONSUMPTIONS																											
Maximum Volumetric Flow Rate	50 LPM	Installed Power	0.25 – 0.55 kW (Depending on load)																										
Mass Flow Rate	15 kg/min (depending on BD)	Voltage	1 x 230 V, 50 Hz																										
Maximum Tray Length	2000 mm	DIMENSION AND WEIGHT																											
Tray capacity	60 Lit	BASIC FEATURES		Vibrator Foot Print (L x W x H)	500mm x 350mm x 200mm	Vibrating Tray	Horizontal, 1 – 2 m long, 100 mm depth, SS304	Tray (L x W x H)	1000–2000 mm x 300–400 mm x 100–150 mm	Vibration Technology	Motorized Fastback	Weight	40 kg (approx.)	Motor	AC Induction Worm Geared Motor			Product Sensor	One Photo sensor above the tray			Panel	Panel with microcontroller based control card and VFD			Basic Safety	360° Guarding for all moving parts, LOTO, Emergency stop, Safety in category-2		
BASIC FEATURES		Vibrator Foot Print (L x W x H)	500mm x 350mm x 200mm																										
Vibrating Tray	Horizontal, 1 – 2 m long, 100 mm depth, SS304	Tray (L x W x H)	1000–2000 mm x 300–400 mm x 100–150 mm																										
Vibration Technology	Motorized Fastback	Weight	40 kg (approx.)																										
Motor	AC Induction Worm Geared Motor																												
Product Sensor	One Photo sensor above the tray																												
Panel	Panel with microcontroller based control card and VFD																												
Basic Safety	360° Guarding for all moving parts, LOTO, Emergency stop, Safety in category-2																												

TECHNICAL SPECIFICATIONS

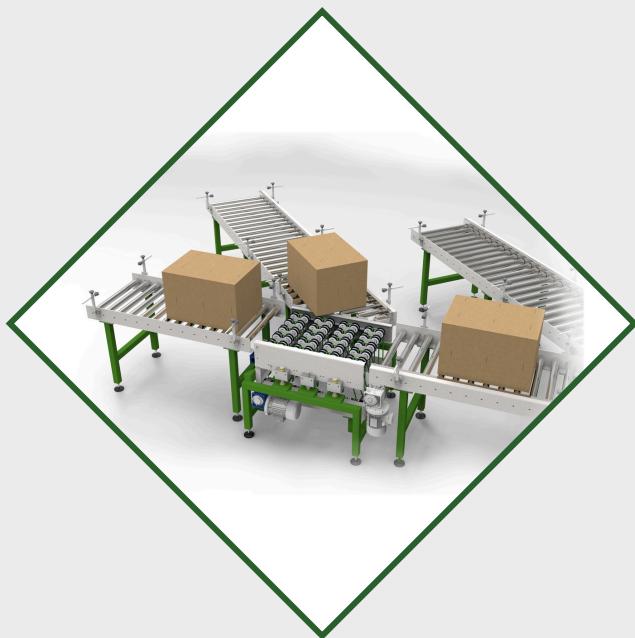
POTATO AUTO HALVER

CONVEYED PRODUCT		ADVANCED FEATURES (OPTIONAL)	
Product	Potato	Auto screening	Motorized Auto Screening device to segregate larger size potatoes
Product Shape	Near spherical to prolate spheroid	Feed Conveyor	Inclined cleated belt conveyor for auto feeding
Product size (max)	150 mm long x 100 mm dia.	Water spray system	Spray nozzles with internal header pipe with inlet fitting
OUTPUT		CONSUMPTIONS	
Capacity	0.5 – 3 TPH	Advanced Safety	Safety category-4
Percentage of Faulty Cut (Longitudinal)	2% (max)	Installed Power	1.5 – 2.5 kW (Depending on capacity)
BASIC FEATURES		Voltage	1 x 230 V, 50 Hz
Feed	Manual feeding hopper	DIMENSION AND WEIGHT	
Cutter	Motorized Cutting Wheels	Foot Print (L x W x H)	1500–2000 mm x 600–1200mm x 1200–1500mm
Nos. of cutters	Single to Multiple (max 5)		
Conveyor	Chain sprocket driven ellipsoidal plastic (FG) rollers		
Discharge	Discharge hopper		
MOC	SS304 for all exposed metal parts		
Drive	AC Induction Geared Motors for Cutter and Conveyor		
Panel	Panel with microcontroller-based control card, VFD and HMI		
Basic Safety	360° Guarding for all moving parts, LOTO, Emergency stop, overload protection, Safety category-2		

AUTOMATIC PACK DIVERTER

"Precision Sorting for Seamless Packaging!"

The Automatic Pack Diverter intelligently redirects packages from one conveyor line to another, ensuring efficient sorting and handling in your packaging operations. With cutting-edge technology, it boosts workflow and minimizes the risk of errors.



Benefits

- Enhanced Productivity
- Versatility.
- Error Reduction
- Scalability.

Features

- Smart Sorting Technology.
- User-Friendly Controls
- Robust Design.
- Integration Capability

ROTARY DISC TURNER

"Effortless Rotation for Perfect Presentation!"

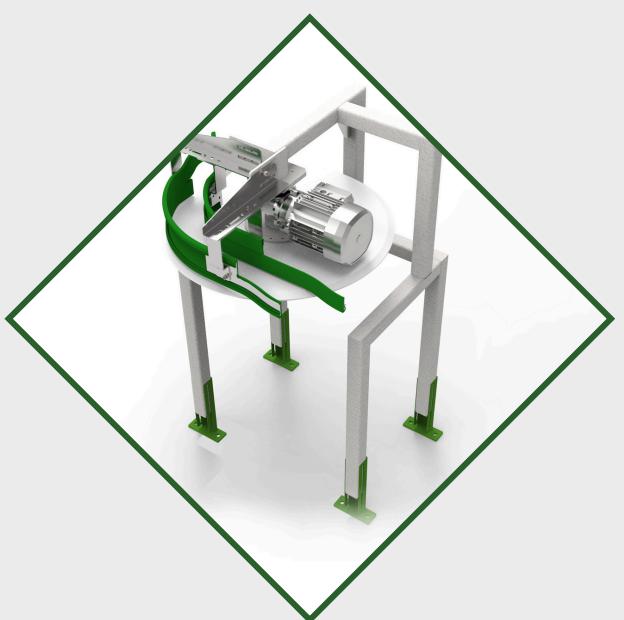
The Rotary Disc Turner revolutionizes the way products are processed by providing a gentle yet effective turning mechanism. Ideal for ensuring uniform coating and even cooking, this versatile machine is perfect for applications in food processing and packaging.

Benefits

- Uniform Coating
- Improved Efficiency
- Higher Product Quality
- Flexible Use

Features

- Gentle Handling
- Adjustable Turn Rate.
- Compact Design.
- Built-in Safety Features



TECHNICAL SPECIFICATIONS

AUTOMATIC PACK DIVERTER

PRODUCT DATA		BASIC FEATURES	
Product	Packs, CBB, Container	Conveyor mechanism	Centrally grooved rollers supported on pivots, rollers driven by induction motor through O-belt
Product Shape	Flat and moderately hard bottom surface	Diversion mechanism	Linkage rods with joints actuated by pneumatic cylinder
Product size	150–600 mm long x 150–450 mm wide	Maintainability	Easily replaceable spare parts
OUTPUT		Diversion actuation	
Capacity	30 packs/min	MOC	MS (powder coated) or SS (as per choice)
Maximum diversion angle	45° (max)	Drive	AC Induction Geared Motors, Pneumatic Actuator
CONSUMPTIONS		Panel	Panel with microcontroller-based control card, VFD and HMI
Installed Power	0.4–0.8 kW	Basic Safety	360° Guarding for all moving parts, LOTO, Emergency stop, overload protection, Safety category-2
Air Supply	5 bar	ADVANCED FEATURES (OPTIONAL)	
Air Consumption	5 NLPM (FAD) during diversion	Advanced diversion	Servo motor driven diversion for precision and smooth control
Voltage	1 x 230 V, 50 Hz	Advanced Safety	Fully covered with door interlock, Safety category-4
DIMENSION AND WEIGHT		TECHNICAL SPECIFICATIONS	
Foot Print (L x W x H)	500–1000 mm x 400–650mm x 700–900mm	ROTARY DISC TURNER	
Weight	100 kg (approx.)	PRODUCT DATA	
		BASIC FEATURES	

PRODUCT DATA		BASIC FEATURES	
Product	Small Packs	Disc	Circular Plastic disc
Product Shape	Rectangular block, cylindrical	Turning mechanism	Disc rotation with circular channel guide
Product size	30–125 mm long x 30–80 mm wide	Maintainability	Easily replaceable spare parts
OUTPUT		MOC	MS (powder coated) or SS (as per choice)structure
Capacity	400 packs/min	Drive	AC Induction Geared Motors
Maximum turning angle	180° (max)	Panel	Panel containing start, stop, emergency push buttons, LOTO, indication lamp
CONSUMPTIONS		Basic Safety	360° Guarding for all moving parts, LOTO, Emergency stop, overload protection, Safety category-2
Installed Power	0.12 – 0.25 kW	ADVANCED FEATURES (OPTIONAL)	
Voltage	<ul style="list-style-type: none"> • 1 x 230 V, 50 Hz for with VFD • 3 x 415 V, 50 Hz for without VFD 	Variable speed	VFD with HMI
		Advanced Safety	Fully covered with door interlock, Safety category-4
DIMENSION AND WEIGHT		TECHNICAL SPECIFICATIONS	
Foot Print (L x W x H)	750 mm x 650mm x 700–900mm	ROTARY DISC TURNER	
Disc Diameter	400 – 500 mm	PRODUCT DATA	
Weight	30 kg (approx.)	BASIC FEATURES	

SNIFFER CONTROL CARD, WATCH DOG CONTROLLER, CHOKING CONTROLLER

Sniffer Control Card

"Stay Ahead of Packaging Problems with Precision Detection!"

The Sniffer Control Card is an innovative solution designed to tackle the pesky PIS (Product in Seal) problem that frequently disrupts packaging operations. By enhancing the synergy between your packaging machine's main control unit and the servo drive, this card facilitates seamless operations.

Key Features and Benefits

- PIS Detection
- Tube Formation on PIS Detection
- Operator Alerts
- Increased Productivity

Watch Dog Controller

"Guard Your Production Line Against Empty Bags!"

The Watch Dog Controller serves as your vigilant sentinel in the packaging process. Positioned strategically between the timing hopper and the former, this system uses advanced sensor integration to monitor product flow and prevent empty bags from disrupting your operations.

Key Features and Benefits

- Quality Assurance
- Operational Efficiency
- Empty Bag Detection
- Seamless Integration

Choking Controller

"Unlock Smooth Operations: Minimize Choking, Maximize Quality!"

The Choking Controller offers a proactive approach to managing former choking incidents during production. Utilizing strategically placed sensors, this system ensures that your packaging line operates smoothly, preventing the production of empty bags due to choking.

Key Features and Benefits

- Real-Time Detection
- Automatic Machine Stop
- Enhanced Productivity
- Cost Savings

QR BASED PRINTING SOLUTIONS

"Streamline Your Workflow with Smart QR Tracking!"

Discover the future of material handling with QR-based Printing on CFCs. Our innovative QR-Code Channeling technology revolutionizes how materials are tracked and segregated throughout the packaging process. Say goodbye to manual errors and inefficiencies, and embrace a streamlined, automated solution designed to elevate your operational performance.

Benefits and Features

- QR-Code Channeling
- Streamlined Material Handling
- Efficient Segregation
- Real-time Tracking and Data Analysis
- Integration and Compatibility
- Enhanced Quality Control



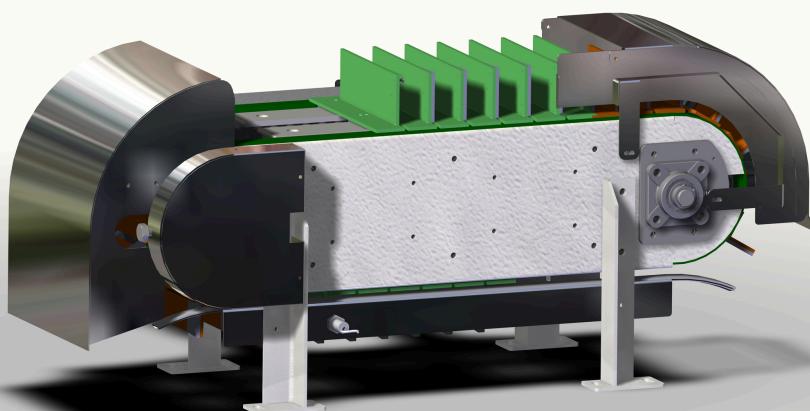
BISCUIT COLLATOR

"Seamless Sorting for a Streamlined Workflow!"

At Mozi Tronics, our Collator Systems redefine efficiency in the packaging line by automating the sorting and arrangement of products. Designed for versatility and precision, our collators ensure that your workflow remains uninterrupted, allowing you to focus on what truly matters – growing your business. Experience the power of advanced automation technology that simplifies your processes and enhances productivity.

Features

- **High-Speed Operation:** Optimized for quick sorting, ensuring minimal downtime between batches.
- **User-Friendly Interface:** Intuitive controls for easy operation and programming adjustments.
- **Versatile Configuration:** Capable of handling a wide range of product sizes and types.
- **Compact Design:** Space-efficient to fit seamlessly into any production environment.
- **Durable Construction:** Built with high-quality materials for longevity and reliability.
- **Automated Feed System:** Streamlines the input of materials, reducing manual intervention.
- **Real-Time Monitoring:** Equipped with sensors for performance feedback and alerts.



Benefits

- **High-Speed Operation:** Optimized for quick sorting, ensuring minimal downtime between batches.
- **User-Friendly Interface:** Intuitive controls for easy operation and programming adjustments.
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INTELLI LOAD SYSTEM

"Streamlining Logistics with Smart Solutions!"

Introducing Intelli Load, the ultimate solution for optimizing logistics and enhancing efficiency in truck loading and management. Our innovative system integrates cutting-edge mobile applications and smart conveyor technology, designed to simplify processes and ensure accuracy from gate entry to delivery.



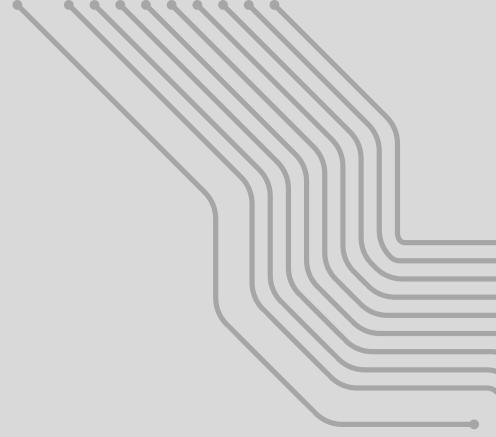
Benefits

- **Increased Efficiency:** Optimize loading processes and reduce wait times.
- **Enhanced Accuracy:** Automated box counting and tracking minimize human error.
- **Improved Security:** Ensure authorized and monitored loading with advanced safeguards.
- **Real-time Updates:** Instant notifications and updates enhance communication and coordination among teams.
- **Streamlined Operations:** Simplified truck entry, assignment, and loading ensure smooth logistical operations.
- **Data-Driven Insights:** Automated data collection generates valuable insights for operational improvements.

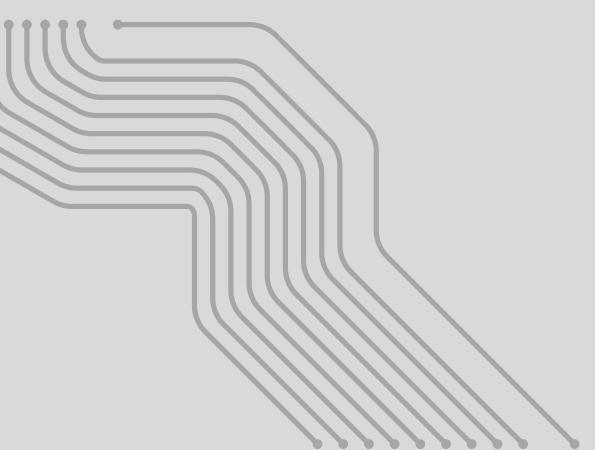


We build
Partnerships
not just
Products..

Where every
machine tells an
epic of passion!



THANK YOU!





MAKES AUTOMATION ICONIC

