

Also Available



Accumulation Conveyor



Mat Top Conveyor





Gripper Conveyor System




Bi-directional Accumulation Table


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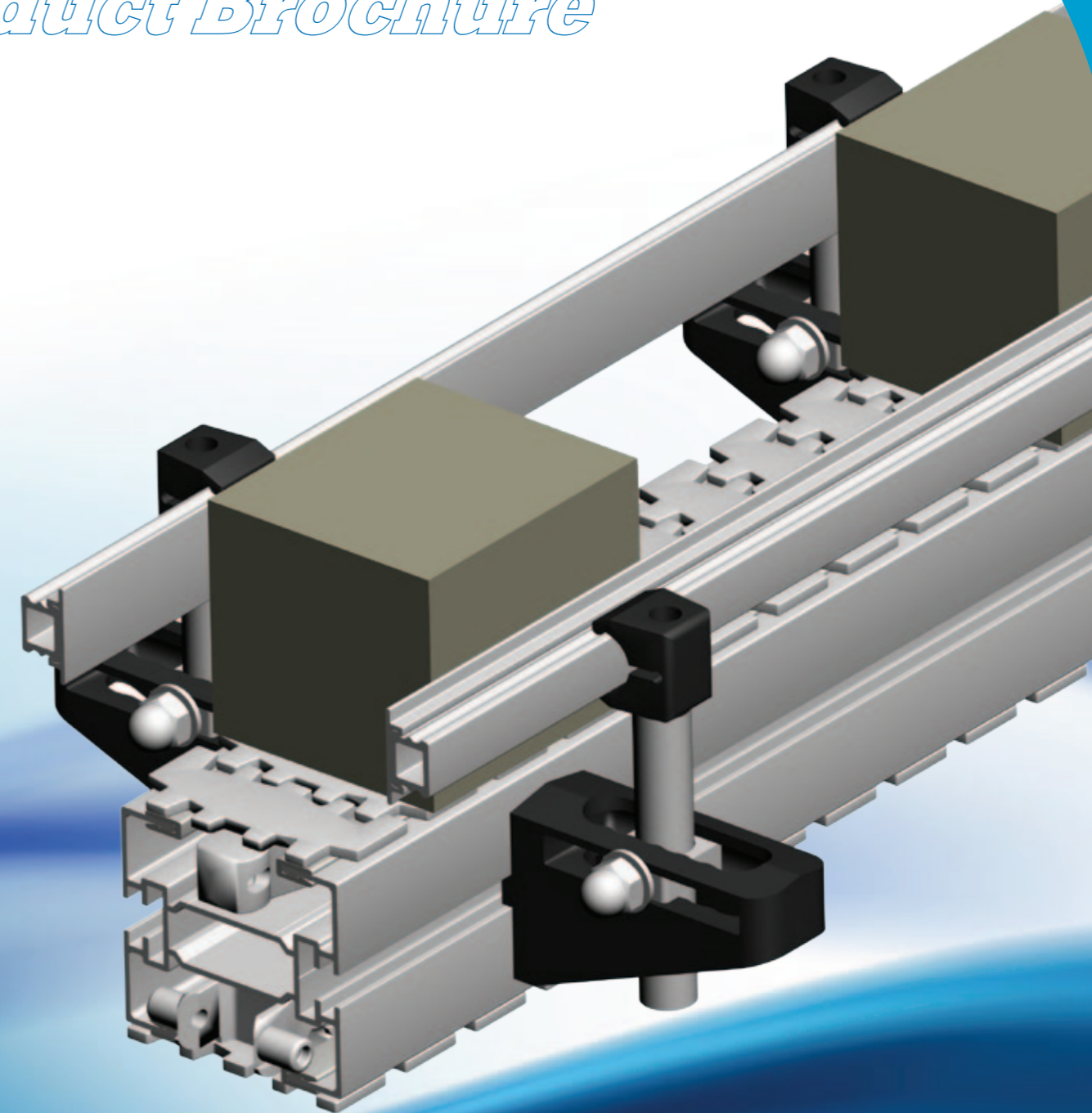
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MODU System

Product Brochure



Solutions for every phase of your production line...




MODU System
the Modular Conveyor Company www.modu-system.com



the modular conveyor company

A simple concept - modular & flexible

MODU System was established based on this concept to meet the ever increasing demand for conveyors that are easy to install & reconfigure, highly flexible, reliable, having an aesthetic look, easy to transport and yet economical to own.



Standard Parts

Parts are made of lightweight materials, such as aluminium alloy and engineered plastics designed to exact tolerances for easy accurate fit.

Flexible design - simple assembly



3-Dimensional Layout

MODU System conveyors make the most out of limited factory space by utilizing overhead space and small radius turns.

The conventional conveyor system is normally the belt & roller which is difficult to install & dismantle, expensive to build and maintain, and cannot be reconfigured.

MODU System conveyors are modular and flexible, which makes them very cost effective. The straights, supports, and bends are made up of various re-assembled components. Therefore a **MODU System** conveyor can be installed or reconfigured (realigned, extended or shortened) within a very short time-frame easily by using simple tools.

Caring for the Environment through Technology

At **MODU System**, we strive to keep product pollution to the minimum through our reduce, reuse and recycle programmes. Our product materials such as aluminium, POM, ABS etc are fully recyclable; most of our product parts are systematically coded to facilitate recovery and recycling. In addition, our conveyor modular design helps to extend the product life cycle by ensuring very low carbon footprint throughout the manufacturing process.



Flat Pack



MODU System facilitates efficient storage and handling of parts. This, coupled with fast delivery and locally-maintained stock has enabled us to cost-effectively provide automation products to export markets like Asia, Europe, America, Australia, and Africa.

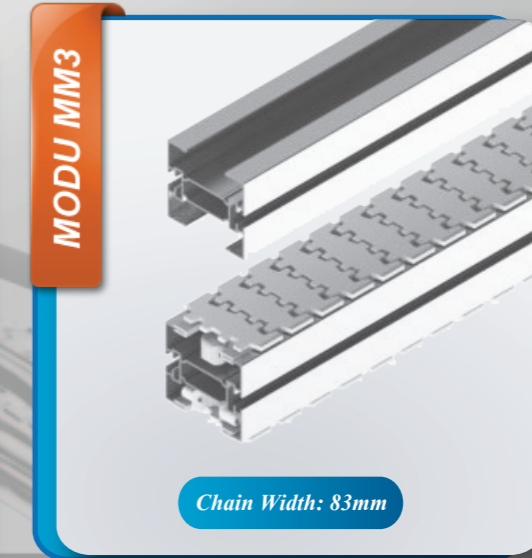
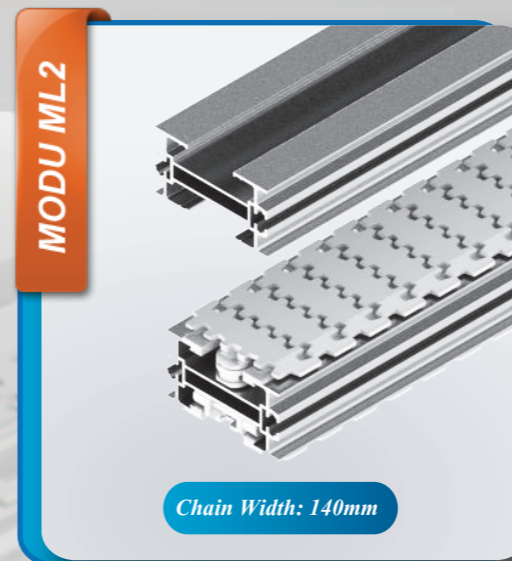
Innovation - A Never-Ending Process

As a product-driven and growth-oriented company, **MODU System** place great emphasis on product development and engineering applications. Utilising cutting-edge technology to spearhead continuous product development and research, we have been able to fulfil customers' demands in terms of products and solutions. This in turn, has helped to enhance our clients' competitiveness in the market.



Standard - conveyor size

MODU System M Series Conveyor System is based on an aluminium profile beam, ranging from 65mm to 225mm width, guiding a plastic chain. This plastic chain travels on low-friction plastic extruded slide rails. Products that are to be conveyed ride directly on the chain or on pallets, depending on application.



Chain Top - options

Multiple chain top options allow for a variety of applications. Standard chain material is POM. Other chain materials are also available upon request. Materials available are Anti-Static, and Kevlar.



Note:

Options for chain top are applicable as below.
MS2 : Plain chain, Flocked Chain & Friction Chain
MM3 : All the shown options

ML2 : Plain chain, Flocked Chain, Friction Chain & Cleated chain
MX2 : Plain chain, Friction Chain & Cleated chain



Conveyor System



Economic Ownership



Excellent Quality



Low Maintenance

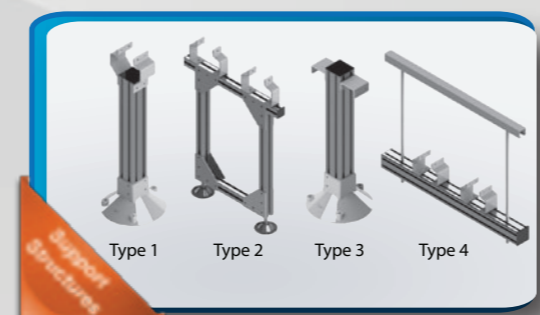
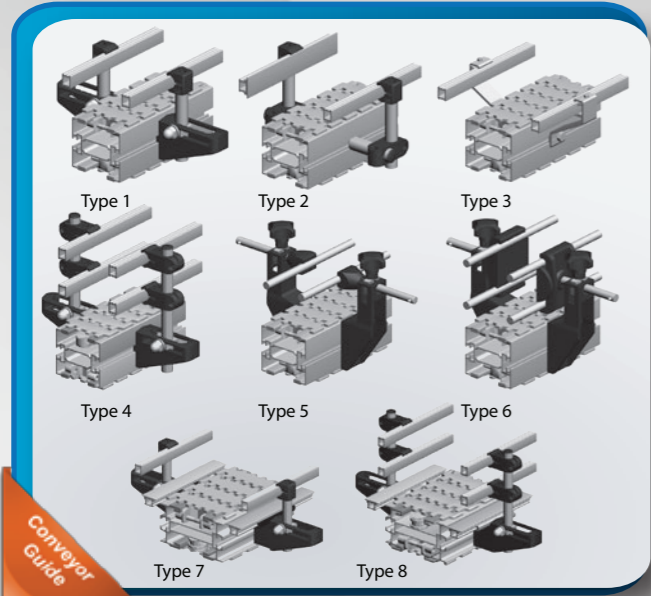
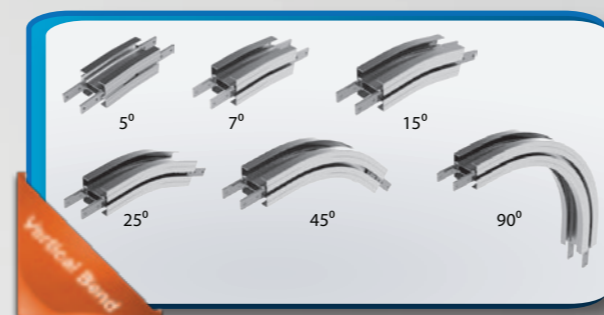
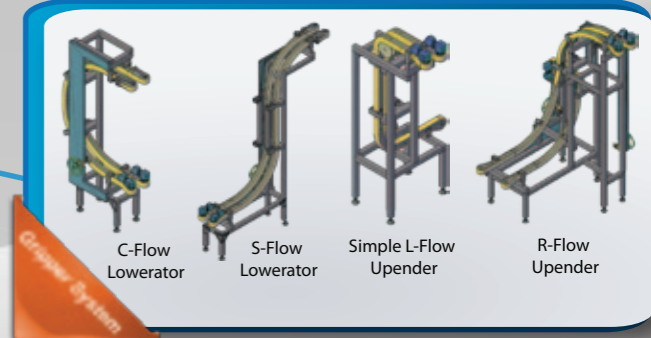
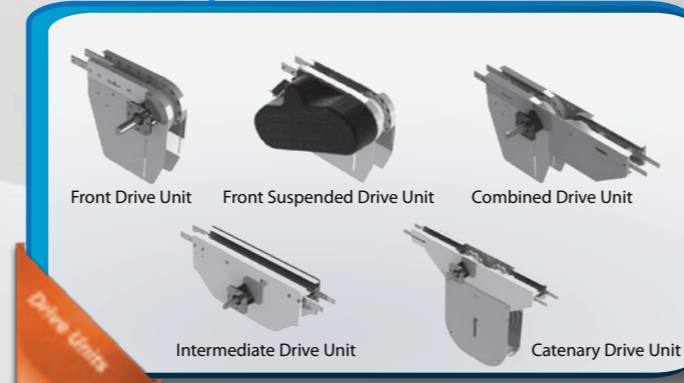
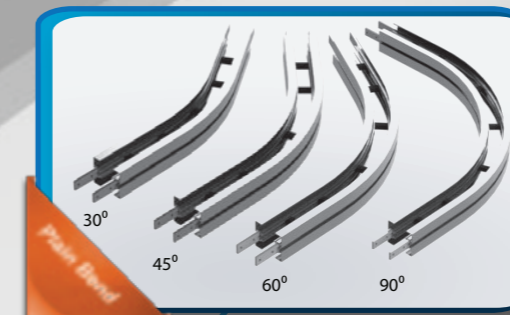
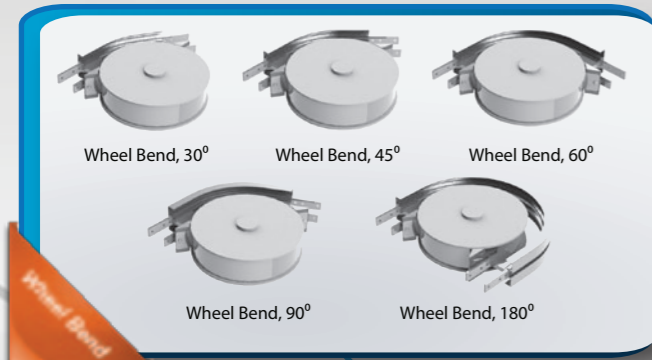


Short-time Delivery

The choice is yours

MODU System has made significant progress in the conveyor business surging ahead of its competitors, to provide a 'one-stop modular conveyor system centre' to serve a varied clientele. This is further accentuated by a proven track record in the international business arena and a widespread acceptance and recognition of its largely superior products, innovative designs and professional services.

the modular conveyor company



Technical Data

	MS2	MM3	ML2	MX2
Chain width	63mm	83mm	140mm	220mm
Tensile strength at 20°C	3000N	5000N	6000N	6000N
Maximum working tension	600N	1000N	1300N	1300N
Working temperature	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
Recommended running speed	3-60 m/min	3-60 m/min	3-60 m/min	3-60 m/min
Max. conveyor length (depend on layout)	30m	30m	30m	30m
Minimum turning radius	150mm	160mm	200mm	500mm
Link spacing (pitch)	25.4mm	33.5mm	44.5mm	44.5mm
Chain weight (plain chain)	0.75kg/m	1.3kg/m	2.5kg/m	3.4kg/m
Chain weight (friction chain)	0.75kg/m	1.42kg/m	3.0kg/m	3.6kg/m
Chain weight (gripper chain)	-	1.47-1.87kg/m	-	-

Component Guide

Type / Model	MS2	MM3	ML2	MX2
Drive	Front, Combined, Suspended, Intermediate	Front, Combined, Intermediate, Catenary, Suspended	Front, Combined, Suspended, Intermediate	Front, Combined
Idler	End	End	End	End
Chain	Plain, Friction, Flocked	Plain, Friction, Cleated, Gripper, Flocked	Plain, Friction, Cleated, Flocked	Plain, Friction
Horizontal Wheel Bend				
Radius 150mm	30°, 45°, 90°, 180°	-	-	-
Radius 160mm	-	30°, 45°, 90°, 180°	-	-
Radius 200mm	-	-	30°, 45°, 90°, 180°	-
Horizontal Plain Bend				
Radius 500mm	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°
Radius 700mm	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°
Radius 1000mm	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°
Vertical Bend				
Radius 300mm	5°, 7°, 15°, 25°, 45°, 90°	-	-	-
Radius 400mm	-	5°, 7°, 15°, 25°, 45°, 90°	-	-
Radius 1000mm	25°, 45°, 90°	25°, 45°, 90°	5°, 7°, 15°, 25°, 45°, 90°	5°, 7°, 15°, 25°, 45°, 90°

MODU Conveyors at work

At **MODU System**, we use the concept and design of standard conveyor modules to facilitate the construction of a conveyor line to suit your layout and requirements. The following applications showcase the flexibility and diversity of our products :



Incline friction conveyor for cartons



High speed can manufacturing lines



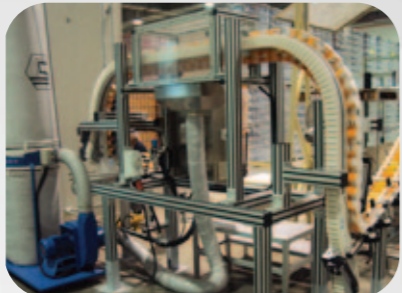
Packaging line for teabags



Puck handling system for odd shape products



Packaging line for teabags



Composite can cleaning line

Food & Packaging Industry

- Tea
- Cereal
- Metal Cans
- Paper Cans
- Confectionery
- Margarine / Butter / etc
- Snack
- Biscuits
- Glass Bottles
- Soft Drinks
- Ice Cream
- Sugar
- Potato & Corn Crisp
- Chocolate Powder
- Yoghurt
- Milk Powder
- Instant Noodles
- Health Drinks
- Juices



Vertical diverter



Decline conveyors



Conveyors with automated width adjust



Tissue incline conveyors

Paper Converting Industry

- Bathroom Tissue
- Paper Towel
- Wrapped Bags
- Wrapped Bundles



Alpine puck loader



Vertical gripper conveyors



Incline and merge conveyors

Personal Product, Pharmaceutical & Chemical Industry



Conveyor for personal products

- Soap Bars
- Body lotions
- Toothpaste
- Aerosols
- Puck Handling
- Sanitary Napkins
- Medical Dispensers
- Eye care products
- Shower Creams
- Hair Care Products
- Health Supplements
- Powder & Liquid Detergent



Conveyors for shampoo

Automotive & Machined Part Industry



Automotive oil filter lines



Robotic Palletizing



Automotive part assembly

- Oil Filters
- Gears
- Bearings
- Door Winding Sets
- Hard Disk Casings
- Air Conditioning Compressors

Flexible and Reliable Solutions for Increased Productivity



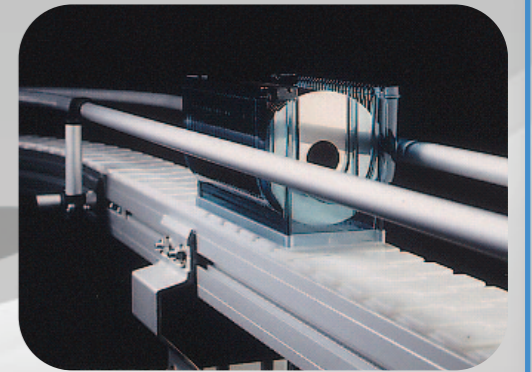
Products handled by MODU System



Multi line overhead conveyors



Hard disk conveyor lines



Hard disk substrate production lines

Electronic & Electrical Industry

- Substrates
- Hard Disks
- Cathode Ray Tubes (CRT)
- Compact Disks
- Liquid Crystal Displays (LCD)
- Mobile Phones
- Audios & Videos



Machine infeeds



Complete distribution systems



Tray distribution



Friction chain inclines



Lens tray pushers



Lens tray conveyors

Optical Lens Industry

- Spectacle Lens
- Camera Lens
- Binocular Lens
- All kind of lenses

MODU D Series - thermoplastic chain with stainless steel frame

MODU System D Series Conveyor provides a structural stainless steel conveyor which uses our standard multi-flex plastic conveyor chain. The D Series conveyors are designed with similar concept as M series conveyor. They are easy to install & reconfigure, flexible and reliable for 24 hours operation in production lines.

Applications

D series conveyors are suitable for a wide range of applications:

- ✓ Application in packaged food handling.
- ✓ Application in the pharmaceutical industry, where hygiene is extremely important.
- ✓ Application in the cosmetics industry.
- ✓ Application in industries where cleanliness, quick and easy cleaning is essential.



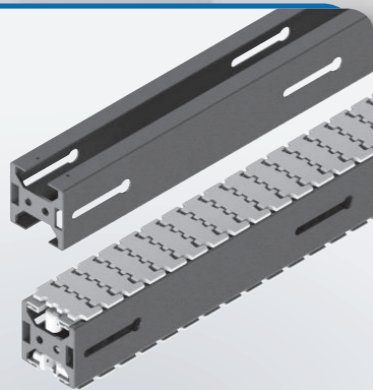
Benefits of D Series Conveyor

- ✓ Minimum dust accumulation thus easy to be cleaned.
- ✓ Low noise level and low power consumption.
- ✓ Ability to integrate with other application and device such as sensors and diverters.
- ✓ Flexible to install and match with site arrangement layout.
- ✓ Modular design for easy replacement of component parts, drives, idlers, wheel bends, wear parts, etc allows for flat packing to reduce shipping costs.
- ✓ Lightweight design.

Standard - conveyor size

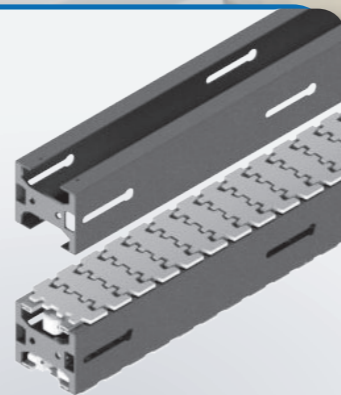
The conveyor beam consists of two stainless steel profiles joined by connecting plates.

MODU DS2



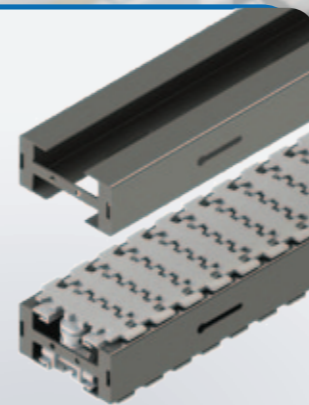
Chain Width: 63mm

MODU DM3



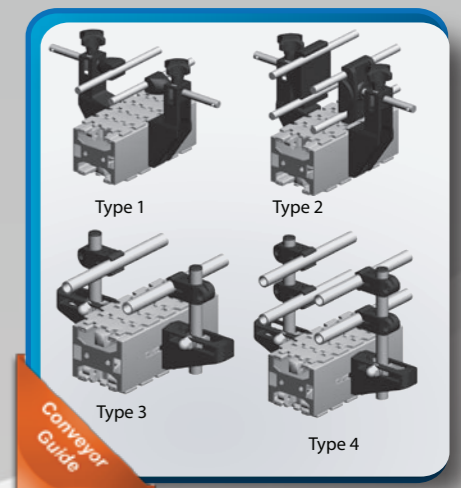
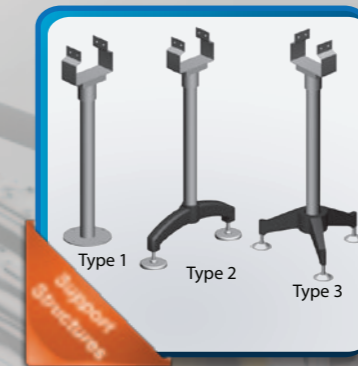
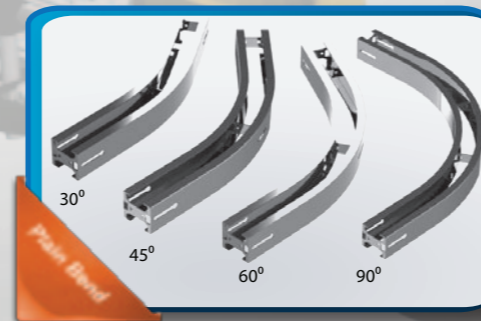
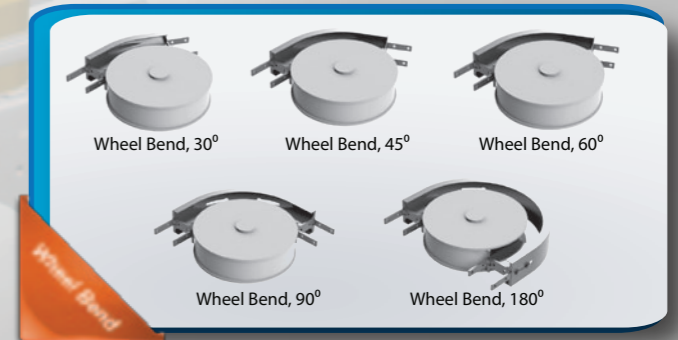
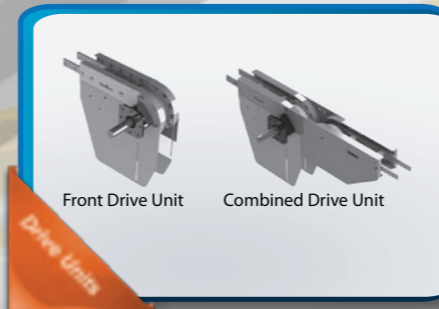
Chain Width: 83mm

MODU DL2



Chain Width: 140mm

Standard Conveyor Components



D Series Conveyor - at work



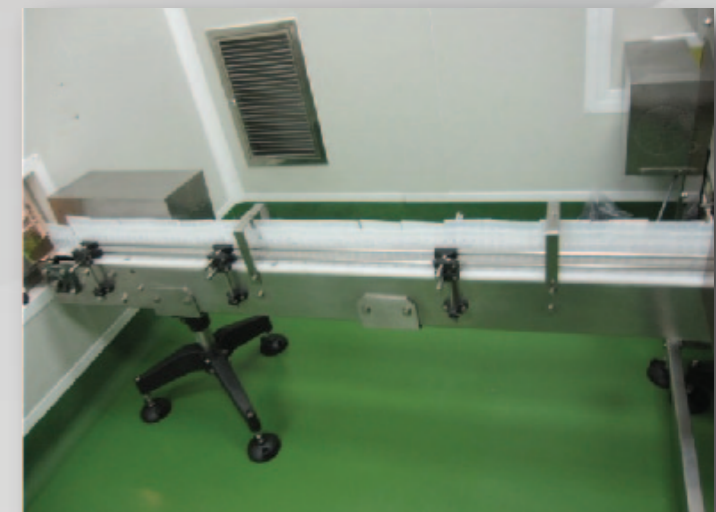
Packaged food processing line.



Packaged food processing line.



Multiple conveyor lines in dairy production.



Penicilin conveyor line




Special Equipment

Continuous Flow Carton Case Elevator & Lowerator










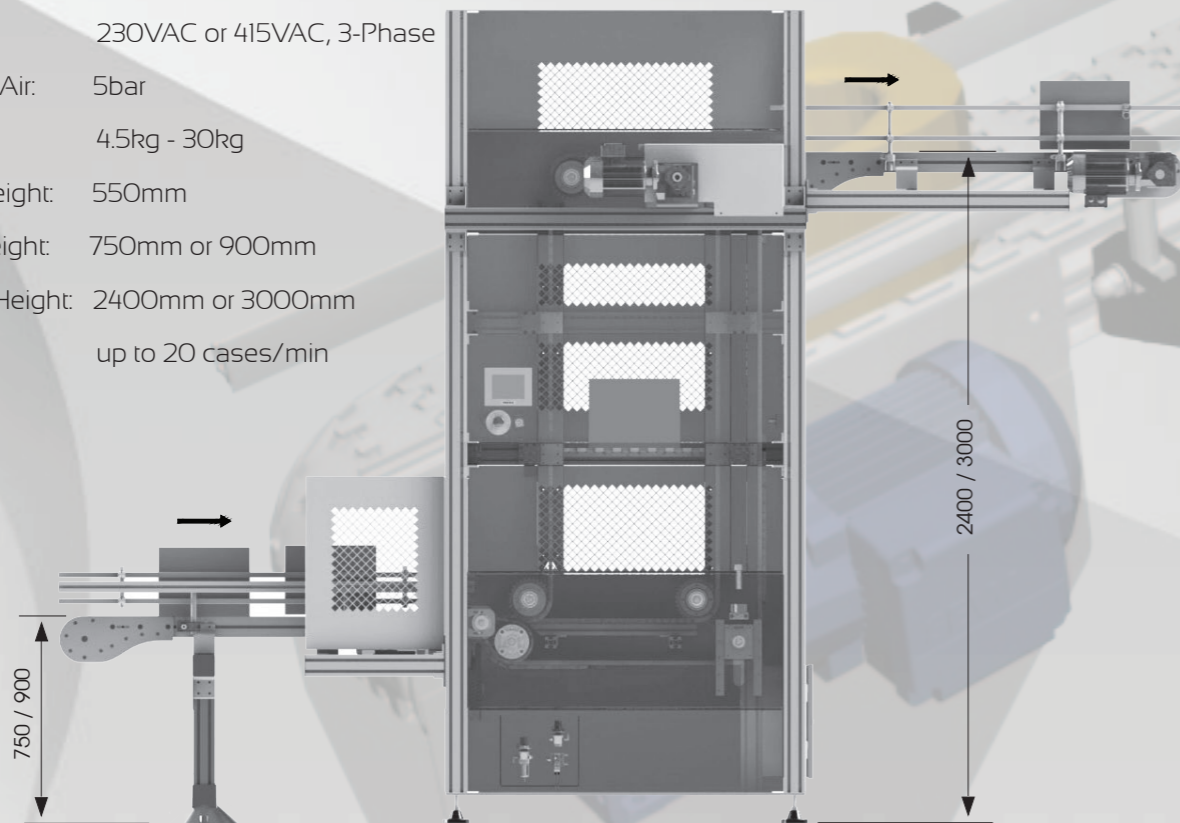
MODU System Continuous Flow Elevator / Lowerator is commonly used to convey food and beverage cases, bagged products, trays, and other similar items. It is designed for high speed and large payload capacity. Continuous Flow Elevators / Lowerator frees up floor space in case/carton palletizing lines, warehousing, or in work-in-progress storage applications by transferring products to an overhead conveyor section. This machine is ideal to create aiseways, clearance for forklifts, transfer product between floors and etc.

Features

-  Continuous flow elevating with no reciprocating action.
-  Universal mounts for any type of infeed and outfeed conveyor.
-  Quick access maintenance panel.
-  Comprehensive guiding.
-  Available in multiple heights, capacities and payload sizes.
-  Available in Aluminium and Stainless Steel frame

Specifications

-  Power: 230VAC or 415VAC, 3-Phase
-  Compressed Air: 5bar
-  Payload: 4.5kg - 30kg
-  Min Infeed Height: 550mm
-  Std Infeed Height: 750mm or 900mm
-  Std Outfeed Height: 2400mm or 3000mm
-  Throughput: up to 20 cases/min

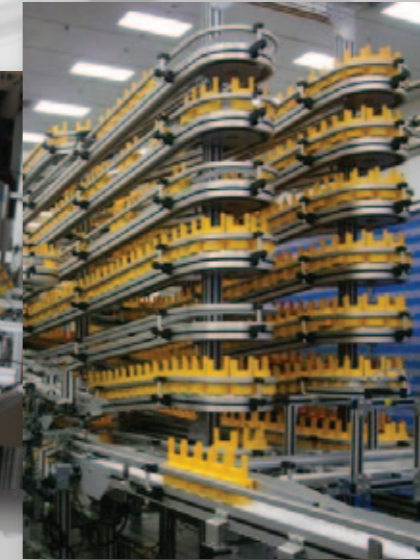


Handling Solutions

MODU System supplies material handling solutions that are reliable and flexible to increase production efficiency. Our technical expertise and engineering business acumen has placed us in a favourable stance, to better serve our clientele.



Tea Bag Production Line



Alpine & Storage System

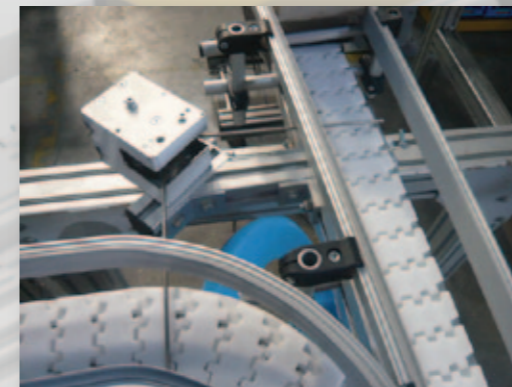


Puck Handling



Composite Can Production Line

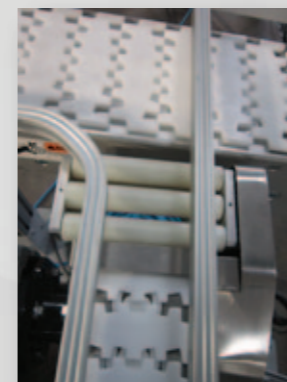
Special Devices



Traffic Controller



Centering Device



Driven Transfer Roller



Rapid Width Adjustment
(manual / motorized)