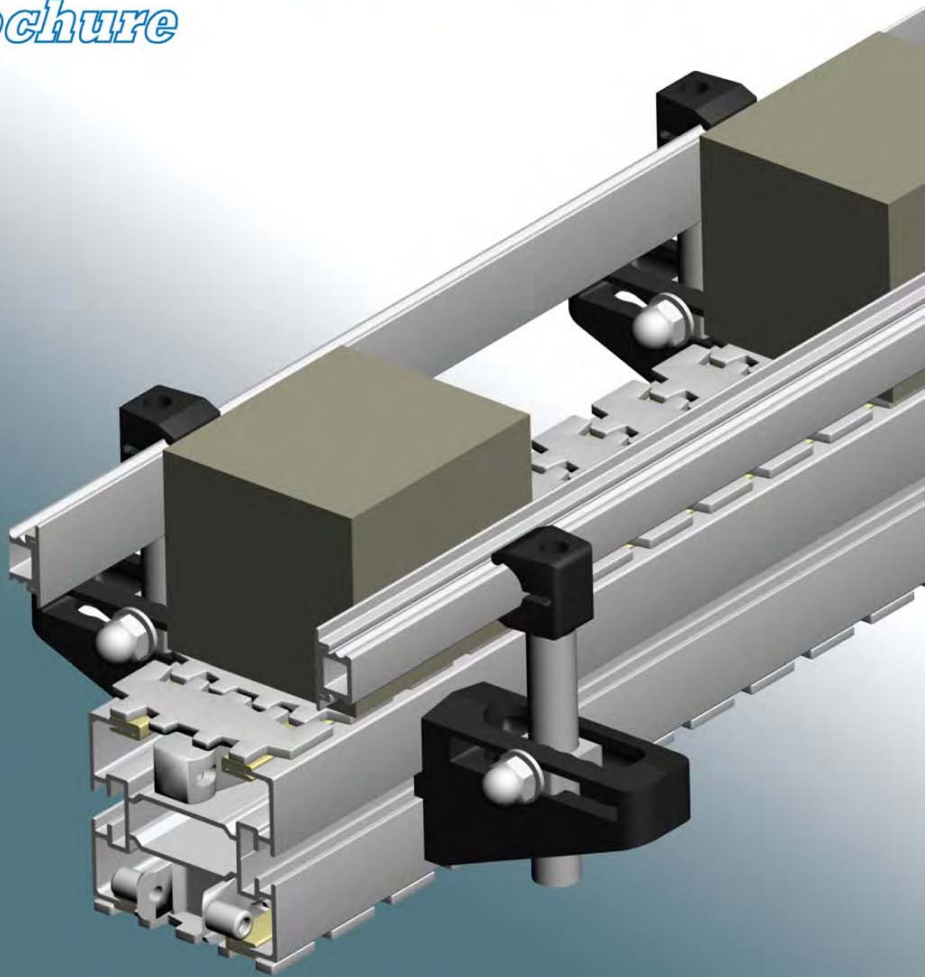


MODU M Series Conveyor

Brochure



Solutions for every phase of your production line...



the modular conveyor company



MODU at Work

At MODU we use the concept of using standard conveyor modules to facilitate the construction of a conveyor line to suit your layout and requirements.

When planning a new conveyor layout, always think MODU. We will provide you a quick & cost effective solution which is applied in many industrial segments with extensive experience & utilising our comprehensive product range.



Incline friction conveyor for carton



Tin can manufacturing line



Packing line for teabag



Automatic fruit sorting line

Food & Packaging Industry

- Tea
- Cereal
- Metal Can
- Paper Can
- Confectionery
- Juice
- Margarine
- Snack
- Biscuit
- Glass Bottle
- Soft Drink
- Ice Cream
- Crisp
- Sugar
- Chocolate Powder
- Yoghurt
- Milk Powder
- Instant Noodle
- Health Drink
- Juice



Alpine puck loader



Vertical gripper conveyor



Incline and merge conveyor



Conveyor for personal product

Personal Product, Pharmaceutical & Chemical Industry

- Soap Bar
- Powder Detergent
- Toothpaste
- Hair Care Product
- Insect Repellent
- Puck Handling
- Medicine Dispensing
- Eye care product
- Body lotion
- Shower Cream
- Sanitary Napkin



Conveyor for shampoo



Products handled by MODU



Multi line overhead conveyor



Hard disk conveyor line



Hard disk substrate production line

Electronic & Electrical Industry

- Battery
- Substrate
- Hard Disk
- Cathode Ray Tube (CRT)
- Compact Disk
- Liquid Crystal Display (LCD)
- Mobile Phone
- Audio & Video



Vertical diverter



Conveyor with automated side guide



Tissue incline conveyor

Paper Converting Industry

- Tissue Roll
- Kitchen Towel
- Wrapped Bag
- Wrapped Bundle

Automotive & Machined Part Industry

- Oil Filter
- Hard Disk Casing
- Bearing
- Door Winding Set
- Gear Wheel
- Air Conditioning Compressor



Automotive oil filter line



Robotic Palletizing



Automotive part assembly

Flexible and Reliable Solutions for Increased Productivity



Machine infeed



Complete distribution system



Tray distribution



Friction chain incline



Lens tray pusher

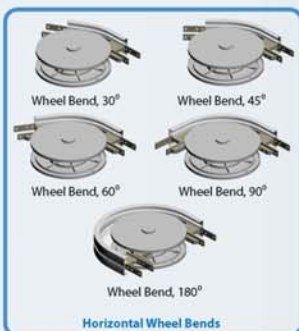


Lens tray conveyor

Spectacle Lens (Ophthalmic) Industry

The Choice is Yours

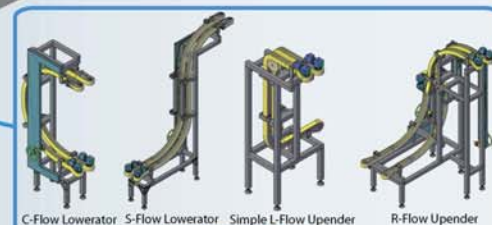
The acetal co-polymer chain is the backbone of every MODU Conveyor. Designed to make tight horizontal and vertical bends with very low friction, low noise and high cleanliness. The conveyor beam, support structure and guide rails are made from anodized aluminium. MODU provides various sizes of conveyor for different applications. The range starts from 63mm to 140mm chain widths.



Horizontal Wheel Bends



Horizontal Plain Bends



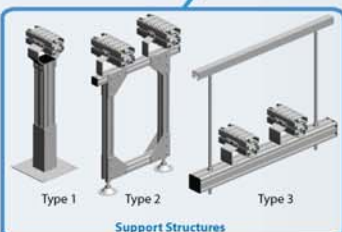
Gripper Conveyor System



Drive Units



Types of Conveyor Guides available



Support Structures

High quality solutions for long-term cost reduction

Complete industrial solution available as mention below:

1. Puck Handling Solutions
2. Paper Converting Solutions
3. Composite Can Handling
4. Tobacco Handling Solutions
5. Battery Handling Solutions
6. Tea Bag Handling Solutions
7. Spectacle Lens (Ophthalmic) Solutions

Technical Data

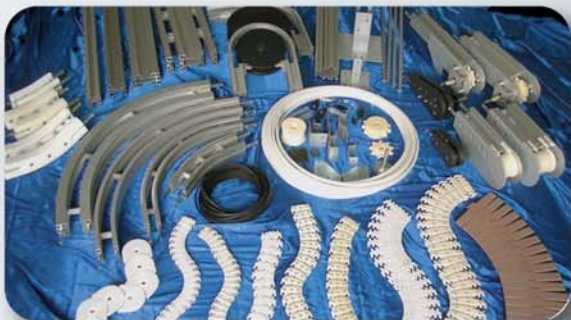
	MS2	MM3	ML2
Chain width	63mm	83mm	140mm
Tensile strength at 20°C	3000N	5000N	6500N
Maximum working tension	500N	1000N	1300N
Working temperature	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
Standard running speed	3-50 m/min	3-50 m/min	3-50 m/min
Max conveyor length (depend on layout)	30m	30m	30m
Minimum turning radius	140mm	160mm	200mm
Link spacing (Pitch)	25.4mm	33.5mm	44.45mm
Chain weight (plain chain)	0.75kg/m	1.2kg/m	1.9kg/m
Chain weight (friction chain)	0.75kg/m	1.22kg/m	1.92kg/m

Component Guide

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

A simple concept Modular and Flexible

MODU was established based on these concepts to meet the ever increasing demand for conveyors that are easy to Install & Reconfigure, Highly Flexible, Reliable, have an Aesthetic look, Easy to transport and yet economical to own.



Standard Parts

Parts are made of lightweight materials, such as aluminium alloy and engineering plastics. They are designed to fit together like the pieces of a jigsaw puzzle.

Your Creativity sets the Limit

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 Conveyors are Modular and Flexible, which makes them very cost effective.

The straights, supports, and bends are made up of various pre-assembled components. Therefore a MODU Conveyor can be installed or reconfigured (realigned, extended or shortened) within a very short time-frame using simple tools. Your creativity sets the limit for what MODU's comprehensive range of products can achieve.



3-Dimensional Layout

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

Innovation is a Never-Ending process

MODU is a growth orientated company driven by our innovative product development & engineering application. We pride ourselves as an engineering business which provides Technical Expertise in conveying solutions.



Technology that puts the Environment first

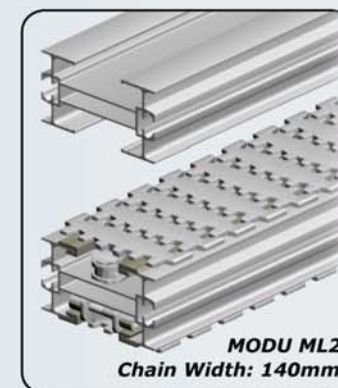
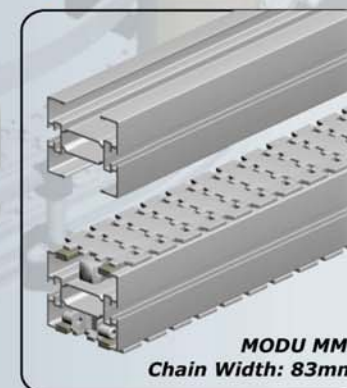
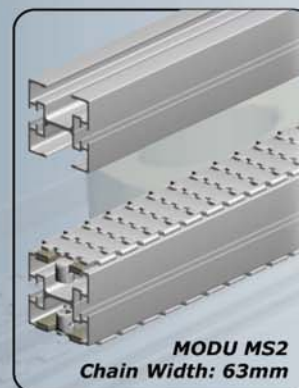
We work hard to keep our product pollution to the minimum by using the basic guidelines which are reduce, reuse and recycle. MODU use materials like aluminium, POM, ABS, etc which are recyclable. Most of our parts are systematically coded to facilitate recovery & recycling. Our conveyor modular design encourages reusability even after the layout has been configured, hence extending product life cycle with very low carbon foot print throughout the manufacturing process.



Flat Pack

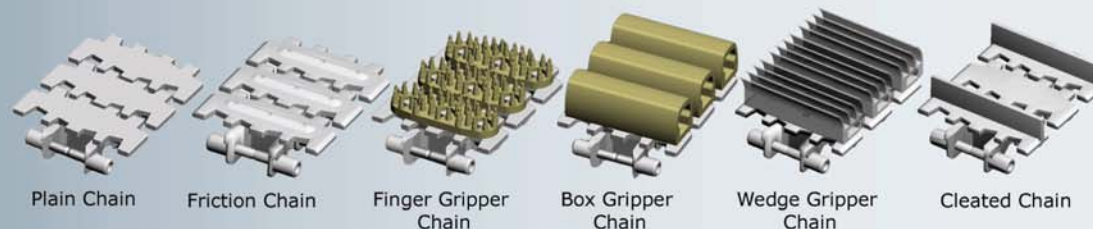
Flat Pack designed parts making storage & handling convenient & hence allow us to deliver & ship to any part of the world easily.

Standard Conveyor Sizes



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 & Friction Chain

MM3: All the shown options

ML2 : Plain chain, Friction Chain & Cleated chain

Also Available

MODU D Series Conveyor

MODU's stainless steel conveyor is aimed at the food and pharmaceutical industries. Stainless steel conveyors are based on a heavy duty stainless steel beam fitted with a low friction slide rail which guides the flexible MODU plastic chain.

Just as the aluminium frame conveyors (M Series), the stainless steel range offers horizontal bends, vertical bends, tight radius wheel bends and larger radius plain bends. Standard conveyor widths are DS - 63mm, DM - 83mm and DL - 140mm wide. Attachments to the chain means product can be carried up inclines or gripped and lifted.

The D Series is designed with the same concept as M Series where they are easy to install & reconfigure, flexible and reliable.



Applications:

- Food processing industry, where cleaning agents must be used for hygiene reasons
- Pharmaceutical industry, where hygiene is extremely important
- Cosmetics industry
- Industries where cleanliness, quick and easy cleaning is essential.



Dairy Production Line





Penicillin Production Line




Food Processing Line


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Food Processing Line

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