solution for every phase of your production line
WHO WE ARE?

i. MODU® System
Modular Plastic Chain & Plastic Belt Conveyor

ii. MODU® Technologies
Manufacturing Automation & Robotic

MODU® System
Modular Plastic Chain & Plastic Belt Conveyor

MODU® System was designed based on this concept to meet the ever-increasing demand for conveyors that are:
- Easy to install and reconfigure
- Highly flexible
- Reliable
- Possess an aesthetic look
- Easy to transport and economical to own

Flexible Design - Simple Assembly

MODU® System vs Other Brands
- Modular & flexible
- Easy to install
- Cost effective
- Can be reconfigured
- Various re-assembled components

Other Brands
- Belt & roller
- Difficult to install & dismantle
- Expensive to build & maintain
- Can not be reconfigured

Flat Pack

The shipping model for MODU® System has evolved to become an increasingly efficient approach for the storage and handling of products. This model, along with a swift delivery procedure and ready stock, enables the company to deliver automation products to global markets throughout Asia, Europe, America, Australia and Africa.

The efficiency which we serve our global customers is an endorsement of our technical proficiency and engineering business insight.

Environment - Our Dedication

At MODU®, we are dedicated towards continuous environmental improvement through our own 3R program: Reduce, Reuse, Recycle.

The use of fully-recyclable product materials (e.g. aluminum, POM, ABS, etc.) and the systematic coding of our products for easy recovery and recycling is an indication of our commitment towards a cleaner environment.

MODU® Technologies
Manufacturing Automation & Robotic

MODU® is a renowned modular conveyor, material handling and factory automation turnkey solution provider. Recently, MODU® is being awarded the ‘Best in Conveyor & Automation Solutions category by the Asia Pacific Brands Foundation.'
MODU®04

Plastic Chain

MODU System provides diverse plastic chain conveyor systems. All conveyor systems can be effortlessly assembled with standard tools. MODU System components are prepared with anodized aluminum and moulded plastic, giving a spotless and aesthetic outlook. A ready stock availability of conveyor components are ensured at MODU all times. The bends, straights and supports are made up of pre-assembled pieces due to which MODU System conveyors can be assembled in a lesser time using simple hand tools.

Aluminium Frame

Stainless Steel Frame

<table>
<thead>
<tr>
<th>Chain width</th>
<th>Beam width</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 mm</td>
<td>45 mm</td>
</tr>
<tr>
<td>63 mm</td>
<td>65 mm</td>
</tr>
<tr>
<td>83 mm</td>
<td>85 mm</td>
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<td>140 mm</td>
<td>145 mm</td>
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<tr>
<td>220 mm</td>
<td>225 mm</td>
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</tbody>
</table>

The new modular plastic belt conveyor system from MODU is a simplified solution for conveying large products. All components of the plastic belt conveyor is standardized for easy engineering, maintenance and operation. Simplicity in its design makes MODU System’s new plastic belt conveyor reliable, flexible, safe and adaptive to any requirements. The white POM belt surface is flat and smooth which minimizes the risk of scratches on products, allowing safe handling of sensitive products. Plastic belt conveyor systems are designed to integrate with new and existing production equipment. Machinery that has been laid out to fulfill factory and operator requirement can easily be limited using suitable components and conveyors from our modular range.

Plastic Belt

Aluminium Frame

Stainless Steel Frame

<table>
<thead>
<tr>
<th>Chain width</th>
<th>Beam width</th>
</tr>
</thead>
<tbody>
<tr>
<td>315 mm</td>
<td>360 mm</td>
</tr>
<tr>
<td>438 mm</td>
<td>480 mm</td>
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<tr>
<td>585 mm</td>
<td>625 mm</td>
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</table>

Twin Tract Pallet Handling System, MP

Twin track pallets assembly solutions were designed to convey pallets/slave board from one process or assembly station to another. Based on a modular system, these solutions offered customers plug and play solutions with flexible configurable options.

MODU System MP Pallet Handling System assembly solutions also include RFID, SCADA & MES solutions integration for traceability and seamless production process. Assembly line configurations could be changed easily according to new layouts and processes.
At MODU, we understand and care about our customers’ needs. We are committed to deliver high quality and reliable, yet cost effective solutions. We work closely with our customers to ensure systems and solutions we supply will fulfill the ever-changing demands of the market.

MODU System Conveyors make the most out of limited factory space by utilizing overhead space and small radius.
**Elevating & Lowerating Solution**

**Roller Cleat Conveyor**
Simple and cost effective way to bring a product from one level to another level.

**Friction Cleated Conveyor**

**Spiral Conveyor**
MODU Spirals conveyors are designed to be reliable, flexible and easy to operate. MODU Automatic Lubrication System (ALS) and Chain Tension Adjustment System makes the spiral conveyor easy to maintain.

**Spiral Specification**

<table>
<thead>
<tr>
<th>Chain Width</th>
<th>Outer Diameter</th>
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</thead>
<tbody>
<tr>
<td>155mm</td>
<td>1300mm</td>
</tr>
<tr>
<td>220mm</td>
<td>1440mm</td>
</tr>
<tr>
<td>400mm</td>
<td>1800mm</td>
</tr>
<tr>
<td>600mm</td>
<td>2200mm</td>
</tr>
</tbody>
</table>

**MODU®09**

**Economical Ownership**
**Innovative Design**
**Excellent Quality**
**Low Maintenance**
**Fast Delivery**
Elevating & Lowerating Solution

Continuous Elevator / Lowerator
- Quick access maintenance touch panel
- Comprehensive guiding
- Continuous flow elevating with no reciprocating action
- Universal mounts for any type of infeed and outfeed conveyor
- Available in multiple heights, capacities and payload sizes
- Available in both Aluminium and Stainless-Steel frame
- High capacity of up to 25 lifts/min
- Small Foot print

Gripper Conveyor System
Elevator / Lowerator
Gripper conveyor was a conveyor system which utilised 2 sets of conveyors set up in a gripping format, to move a product from a lower elevation to upper elevation or vice versa, only taking up very minimum floor space. Gripper conveyors are ideal set up for high speed production or packaging line.
MODU Technologies

Manufacturing Automation & Robotic Technologies

R

Robotic Automation

Robotic Assembly

Simple assembly operations, including picking, placing, staining and fastening, can all be accomplished with a delta style robot.

Collaborative Robot

Dual arm, small parts assembly robot solution that includes flexible hands, parts feeding systems, camera-based part location, as well as state-of-the-art robot control.

Palletizing System

Product palletizing using an industrial robot is very popular in modern packaging line nowadays as it minimises manpower as well as industrial mishaps, ensuring high productivity.

MODU Technologies is a channel partner with renowned Industrial robot maker ABB Robots. Together we have rolled out many robotic applications across all industries.

MODU Technologies AGV is a modern AGV equipped with the latest technologies. Its modular design is flexible and easy to maintain. Powered by NAVWIZ system, the usage and programming of an AGV has never been this easy and simple.

Features
- Modular
- Safety
- Sixteen I/O
- NAVWIZ Task

Auto Charging
- Bi-Directional
- Differential Driven

- Internet of Thing

MODU Technologies, Automated Guided Vehicle (AGV) is a mobile robot that can automatically navigate and transport materials from one location to another. It is suitable for (not limited to) manufacturing, textile, automotive, food & beverage, warehousing, hospital operations, etc.
Customised Automation System

MODU Technologies offered highly customised automation systems to our customer. As a turnkey materials handling solutions provider, MODU Technologies also offers customised solutions to each process so all processes could be streamlined into the whole production floor efficiently, without the needs to refer to a multi-party set up.

Turnkey Solution

We provide a total turnkey solution for your manufacturing processes needs. With our vast skills and expertise, along with our reliable sales and services networks, we are confident in providing our solutions for every stage of the manufacturing processes.

Industry 4.0 Solution

We are Industry 4.0 ready, making MODU Technologies your ideal partner in Smart Automation.

- Autonomous Robots
- System Integration
- Cloud Computing
- Internet Of Things
- Additive Manufacturing
- Augmented Reality
- Cybersecurity
- Big data
- Simulation

Our customer base includes many of the world’s leading companies.
We Provide Affordable, Accessible, Innovative and Secure Intelligent, Seamless and Collaborative Networked-Based Solutions

- Manufacturing Productivity Analysis
- Automation Design & Proposal
- Project Management