

APPLICATION

www.modu-system.com

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MODU System
the Modular Conveyor Company

Paper Converting

MODU is a growth oriented company producing modular conveyor system. Conveyor systems that we produces are easy to install & reconfigure, highly flexible, reliable, having an aesthetic look, easy to transport and economical to own.

What MODU can offer?

MODU currently produces 4 models for industrial application namely MODU MS (chain width: 63mm), MM (83mm), ML (140mm), MX (305mm). MODU also produces 2 models for food services application namely SL (115mm) and SM (85mm) for Japanese Sushi restaurant.

Paper Converting Industry

Paper converting can be described as a process by which paper is used to fabricate another paper product. For example, paper conversion can be used to produce such products as envelopes, paper bags, boxes, containers, and a full range of similar items. Operations involved in paper converting may include treating, slitting, sheeting, grooving, punching, and folding. Some operations may also call for perforating, blocking, binding, gluing, and laminating as well.



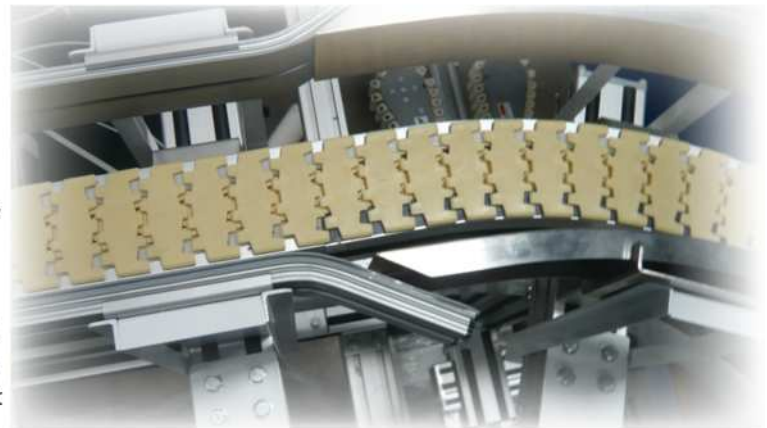
MODU Conveyor at work

Our Specialty

1. POM-Kevlar for Chains

In order to keep competing in the paper converting industry, MODU has introduced a new technology in table top chains, which is using POM-Kevlar as material in chain. Using Kevlar material in chain has help to overcome immerging problems like high ware and tear on chain and wear strip, dust, noise and vibration.

Kevlar is five times stronger than steel on an equal weight basis, yet, at the same time, is lightweight, flexible and comfortable. It is also used as bullet-resistant vests by police more than 25 years. General features of Kevlar are high tensile strength at low weight, low elongation to break high modulus (structural rigidity), low electrical conductivity, high chemical resistance, low thermal shrinkage, high toughness (work-to-break), excellent dimensional stability, high cut resistance, flame resistant and self-extinguishing



Chain in POM-Kevlar

2. Automated side guide adjustment

Automated side guide adjustment can be pre-set or configure with five different types of setting according to manufacturing requirements. Adjustment process usually takes less than a minute. Furthermore, manual adjustment can also be done without affecting to auto configured settings. This system as applicable to straight and bend sections.



Automated side guide installed at straight section



Automated side guide installed at bend section

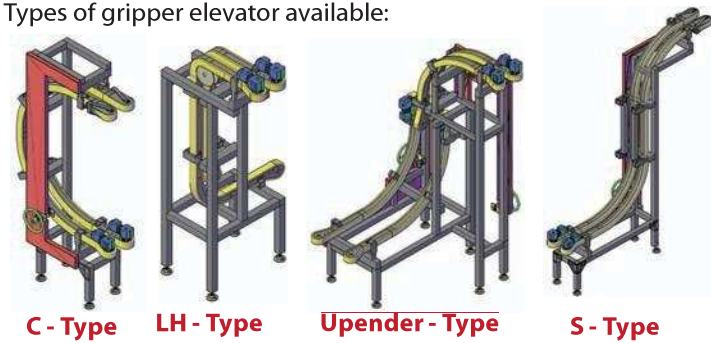
3. Gripper Elevator

Gripper elevator is a set of machine consists of 2 set of conveyors installed side by side within one support structure to conveyor product to a different or same output height with a minimum space consumption. It grip the product firmly but gentle enough thru its course before discharging the product to another conveyor assembly.

Gripper elevator advantages:

- Saving floor space, transportation length and require less transfer.
- Maximize space utilization by creating cooling buffer at ceiling level.
- Integrateable with other application such as blower and ink printing device.
- Flexible to install and match with site arrangement layout.

Types of gripper elevator available:



C - Type

LH - Type

Upender - Type

S - Type



C-gripper elevator at production floor

4. Nylatron for plain bend

Self-lubricate material, excellent frictional properties, superior wear resistance and outstanding Pressure-Velocity capabilities (up to 5 times higher than conventional cast nylons)

APPLICATION PHOTOS



Paper converting line with diverter



Vertical diverter & conveyor system for kitchen towel



Tissue paper in-line system

For further information, please contact:

MODU System (M) Sdn.Bhd
7 Jalan 23/3, 40000 Shah Alam,
Malaysia
Tel: +603-5198 0333
Fax: +603-5198 0222

MONK Conveyors Ltd
Woodside Park, Catteshall lane,
Godalming, Surrey, England GU71LG
Tel: +44 (0) 1487 791700
Fax: +44 (0) 1487 791701

MODU Europe Ltd
No.8, Woodside House, Woodside Park,
Catteshall Lane, Godalming, Surrey GU7 1LG
Tel: +44-1483 791 700
Fax: +44-1483 791 701

Email: sales@monk-conveyors.co.uk www.monk-conveyors.com

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