7950 Castleway Dr., Suite #160
Indianapolis, IN 46250
Ph:317-577-3007 / Fax:317-577-3005
Website: www.mod-tec.com

DESIGN THE BEST CONVEYOR ON THE MARKET.
SPECIFY MOD TECH COMPONENTS.

Plastic Chain Conveyors

Plastic Belt Conveyors

Roller Conveyors

The following is a list of some of the types of conveyor that can be made by using a few interchangeable components:

Wide Chain Solutions

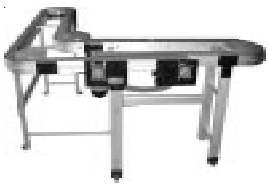
Straight Running
Curved Solutions
Single Lane
Dual Lane
End Drive
Center Drive
Wrap Drive
Elevation Changes
Over/Under
Spirals
Floor Mounted Solutions
Ceiling Mounted Systems
Accumulation Conveyors

Dual Lane Solutions

The open ended phisolophy of the Mod Tech product line allows the fabricaor unpallelled flexibility and modularity to create almost any type of conveyor required for your application.

Fixtured Tooling Solutions

Multi-Flex Chain Conveyors



Carousel Conveyors

Index

Mission Statement

Provide Machine Tool Quality Flat Top Conveyor Components and Associated Devices to Integrators, OEMs, and End Users with the thought of making them More Competitive in the marketplace.

Company Overview

Mod Tech's conveyor rail components are designed to fit a wide variety of conveyor chains and drive units as well as product weights. We offer four different rail styles which fit over 70 different chains from numerous manufactures. The Side Guide Rails are offered in eight designs which fit nearly all flat top chain applications.

Structural supports are derived from the basic rail components using standard mounting and foot components. Both Floor and Overhead mounting components are available. Floor mounting components (Wings) allow outboard mounting for wide chain applications. An under-conveyor style Tee mount is available for narrow space applications. The foot assemblies are designed to supply one and three-eights inches of adjustment. Both the Wing and Foot assemblies have options to allow a more Robust solution.

Mod Tech also offers standard devices to enhance a STANDARD SOLUTION offered to industries. These include: Stops, Meters, Singulators, Lift & Locate, Drip Pan Brackets, and others.

Aluminum components are extruded to Machine Tool Quality specifications. All are supplied in 10-foot lengths with specific components available pre-cut when their application is fixed. All extrusions are centerline scribed for ease of adding holes as needed. A clear anodized satin finish is standard with non-standard colors being: blue, gold, black, and hard coat. Extruded components can be purchased in special lengths. Please contact Mod Tech for pricing and shipping schedules.

Glide (wear strip) products are UHMW extruded and are designed to either snap-on or slide into dove tail groves to allow quick assembly or change out and are supplied in 20 foot lengths.

Our structural support and mounting components are cast aluminum and processed with Machine Tool Quality where critical fits are required. These components are finished with powder coat paint to insure a solution that is long lasting and pleasing to the eye.

Mod Tech components have been used in material handling applications for over eighteen years and have hundreds of installations throughtout North America. It is our commitment to market our products in component form only to Original Equipment Manufacturers, Integrators, and End Users. We do not build conveyors or systems and do not accept RFQs for them.

Customer support includes Application Assistance and Engineering. All standard components are available through CD in AutoCAD format. This allows design engineers to insert these drawings directly into layouts and detail drawings that shortens design time. In addition, Assembly Training manuals are shipped with each customer order. Onsite support is also available should a need arise.

Mod Tech can be reached by phone, fax, or the web address www.mod-tec.com. Please do not hesitate to contact us for any reason!

How to Conceptualize a System and use this Catalog

Mod Tech conveyor components have been designed to fit a wide array of conveyor chains from numerous manufacturers. Chain selection is therefore the first and foremost process insuring a correct application of both the product processes and the conveyor style used to achieve an effective solution. However, please review this entire catalog to become familiar with Mod Tech products before beginning any project.

Chain Selection: Several major chain manufacturers have included in their catalogues engineering data that focus on product to be conveyed, environment, speed, weight, conveyor layout possibilities, etc. which assist you in choosing the correct chain for your application. A listing of some of these manufacturers are included in the technical section of this catalog. For questions regarding appropriate chain selection contact your chain manufacturer.

Conceptualizing the Solution: The next step involves creating a rough layout showing the conveyor details: lengths, widths, flow directions, speeds, elevation changes, etc. Based on your application specifications and chain style selection a “chain pull” calculation, performed by your chain manufacturer, can determine the number, location and sizes of the drive styles required to operate the conveyor. The chain manufacturer may suggest some changes in your initial layout and chain selection to optimize the project parameters. You can now insert the drive locations and sizes into your drawing.

Selecting a Mod Tech Solution: Now that you have identified all of the solution parameters you need to select a pre-engineered Mod Tech solution to fit your chain or design a new one. All of the pre-engineered cross sections and the individual components are available on a CD in AutoCAD format. The cross sections a filed by the chain number. Insert the correct cross section into your drawing. If you need to create a new solution cross section you will first need to create or import the chain drawing. Then select the associated Mod Tech components and place them in the drawing to fit your requirements and the chain guide clearances required by the chain manufacturer.

Design the Solution: The products section of this catalog shows the details of each part, their part or kit numbers, and shows designers how to fit components together to create a detailed layout and Bill of Materials. There are 5 separate sections showing the components and 2 showing special devices and tooling jigs:

1) Conveyor Assembly - all components which touch the chain or the product and their associated components,

2) Side Guide Assembly - includes all components to keep the product/pallet on the conveyor,

3) Mounting Systems - Includes the various methods of mounting and supporting the conveyor

4) Structural Components- shows the various components which allow a wide range of conveyor configurations,

5) Drive and Idler Systems - this section shows the components associated with mounting drives and idlers to complete a conveyor solution,

CONTINUED

6) Special Devices- this includes various standard support devices that are commonly associated with a conveyor applications,

7) Tooling Jigs - Jigs are available to allow the fabricator to quickly drill the extrusions to fit Mod-Tech standard mounting components.

Should you need engineering assistance Mod Tech has worked closely with several engineering houses and would recommend them. Please review this section in the Technical Information of the catalog for a list of these engineering firms.

Understanding Your Role: Mod Tech supplies conveyor components which allow our customers to assemble any type of flat top chain conveyor system they wish. We supply the parts - You assemble the system. In addition, we do not supply the conveyor chains themselves, the drive units, nor the idler units. In this manner you have the flexibility to use the manufacturer of your choice for these components (or your End-User's choice). In addition, most of the extruded aluminum and UHMW components are supplied in lengths of 10 feet. As a result, you will be required to cut and drill them to your specifications. Mod Tech can supply Tool Jigs for commonly fabricated ends.

Placing an Order: Please review the section titled Sales Terms and Conditions as it includes important data which will address many of the questions asked by new customers. There are generally two ways to place an order with Mod Tech: 1) You create a detailed layout and BOM which we will use to supply a quote to you. 2) You return a completed Component Order Form (Located in the Ordering Information section of this catalog) and Mod Tech will simply quote those items listed. This latter approach is normally used by customers who are very familiar with Mod Tech. After you receive our quote you send Mod Tech a purchase order and the components will be shipped to you based on the Shipping Terms and Schedule. Please note that the order form lists each part and/or kit number and whether it is a stock item.

Thank you for considering Mod Tech products in your design solutions.