Innovative Solutions

Mixing & Batching
Component Preparation
Green Tire Systems
Cured Tire Systems
Final Finish
Final Inspection
Palletizing
Warehouse

The American Manufacturer of Machinery and Material Handling Systems
Over the years our customers have continued to challenge us with bigger, more complex problems for us to solve. To meet these demands UMD Automated Systems has grown both in our skilled labor force as well as our production capabilities. We have grown into our 65,000 sq. ft. of manufacturing facilities, and with our expanded capabilities we will always continue to improve upon our top quality product from initial design, to manufacturing, to final installation.

Good corporate citizenry and unwavering customer support are tremendously important to UMD. We have worked hard over the years to create a corporate personality of honesty, character, reliability and trustworthiness. These characteristics are evidenced by the many and varied positive relationships that we have built with clients, employees, and other corporate entities.

The UMD Group is one of the world’s leading manufacturers of tire and rubber equipment and material handling systems. Technical solutions for our customers have been our focus since 1996. Our innovations lead the way with machinery and other material handling systems for the Tire and Rubber Industry through continual development of our manufacturing processes and efficiencies. Our corporate image is characterized by the high level of quality and reliability in customer service.

Our mission is to be the Quality Leader, Service Leader, Technology Leader and Value-Added Leader in all areas of the manufacture and installation of machinery and conveyor systems. We will provide a variety of solutions for material handling and will support our customers by providing the most diverse choice of quality products and services that they require to be the leaders in their field, to improve their performance, be more efficient, and enhance their competitive position. We will endeavor to serve our customers in such a manner that they will be totally satisfied with UMD Automated Systems.

We will continually reinforce our reputation for superior personal service by providing respect, training, involvement, recognition, reward, safety, security and advancement opportunities to our associates.

We will conduct research and development, use state-of-the-art equipment and review our methods of operation in a never-ending effort to continually improve the quality of the products and services we offer to our internal and external customers.
UMD utilizes new approaches to design complete mixing systems with state of the art manufacturing processes.

This modular design method and its versatility is the perfect solution for both Tire & Rubber and non-tire applications. With its high throughput reliability, these units are used for both Master Batch and Final Pass Mixing.

Many options are offered to automatically achieve multi-arrangements of traditional stacking, cut-slabs and multi-strip production.

UMD utilizes new approaches to design Batch-Off systems, with state of the art manufacturing processes.

The modular design method allows for easily adding a variety of components to both upstream mixer feed and batch-offs system.

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Our design philosophies in these areas mirror our general practice of taking a fresh approach to achieve the latest state of the art solutions and manufacturing processes.

Component Preparation

Our multi-talented engineering staff has extensive experience in the design of component preparation equipment. We design and manufacture extruder feed conveyors, cooling lines, wind ups, let offs and associated equipment. We also design and manufacture calendar trains.

Personal Service

Working closely with our customers is the nature of our business. Our customers are assigned a project engineer who is with your project from start to finish. There will always be a familiar and competent person to communicate with.

We offer our customers a wide range of support and training services. Our experienced, factory trained staff can assist in the application, analysis, design, engineering, manufacturing, and installation of your material handling systems.

UMD continues to utilize the modular approach in designing the systems individual components for ease of installation, as well as the ability to reconfigure, update, or relocate the final process lines.
Continued development of our Green Tire and Cured Tire Conveyor Systems has maintained our state of the art solutions to your material handling needs. We utilize conveyance technologies with minimal moving parts, reducing manufacturing and operating costs. Through our standardized equipment components and modular approach in design, we can achieve the customization and routings to meet our customer’s desire while keeping system costs and future upgrade costs low.

The extensive experience of our engineering department allows for the consideration of several possibilities in layouts achieving the same end goal. We provide our customers well thought out systems that will reduce the overall operating costs through reducing maintenance and operating personnel, while maintaining or exceeding the desired throughputs.

An extensive line of pre-engineered standard conveyors can be relied upon to create a modular system of medium to heavy duty material handling systems. These standardized conveyor components have been designed with customization in mind to enable a quick turnaround for custom or standard systems.

Productivity Through Innovation

Your needs change over time, perhaps more often than you would like. Whether they come planned or completely unexpected, you need a material handling solution that can change with you. A solution that can help you expand capacity when it is needed, meet ever increasing standards of quality, and help enter new, untapped markets.

With UMD you will have the versatility to meet those growing expectations, as well as the performance to exceed them. From a fully automatic turn-key system to just a single conveyor, UMD continues to deliver innovative conveyor and machinery solutions designed to meet the demands of today, while keeping an eye towards tomorrow.
UMD’s Modular Design allows for systems to change or expand as production expectations demand new approaches.

Our proven standard designs provide our customers effective solutions with minimal maintenance.

These standard designs allow UMD to deliver quality system components within very short project schedules.

Our UMD Engineering group combines these proven standard designs with your custom needs to meet the specifications your project demands.

Final Finish and Palletizing / Warehouse systems

UMD UTILIZES A MODULAR DESIGN METHOD FOR SEVERAL STANDARD CONVEYOR SYSTEMS AND SPECIAL MACHINERY TO ALLOW FOR SHOP MOUNTING ON PNEUMATICS AND CONTROL DEVICES WHICH PROVIDES FOR A PLUG AND PLAY INSTALLATION.

UMD SYSTEMS

Concept and Design

From the beginning of a Project, our engineers develop a solution to meet and exceed your needs. Our Engineers often times creating alternatives that highlight new techniques that solve the problem at hand while using concepts that save on production and future operational costs.

We bring value to our customers by designing and manufacturing conveyance systems that are maintenance friendly and far less complex than traditional alternatives.