Bastian Solutions is an independent system integrator dedicated to helping our customers increase productivity through proven storage, automation, information systems, and sound operating procedures.

Bastian Solutions provides turn-key solutions from design engineering and simulation all the way through installation and project management. We take great pride in providing exceptional service and flexibility to our customers.

Our solutions vary in complexity from simple manual racking, shelving and multi-tier solutions to highly automated systems featuring industrial robots, Automated Storage and Retrieval Systems (ASRS), Automated Guided Vehicles (AGVs), RFID, sortation and conveyor systems.

Every solution Bastian Solutions proposes is considered on its own merits to provide tremendous productivity gains and a quick return on investment.

As a systems integrator, we will continue to seek out leading technologies in both material handling equipment and information systems coupled with proven operational strategies. Our goal is to use these tools to help companies, across a broad spectrum of industry segments, to be leaders in their industries.
Tire Handling

Tire manufacturers require solutions that meet a variety of unique challenges as well as the high demand that growing industries face. Productivity must be scalable and quick to react to the ever-changing demands of this heavily regulated, global market.

Our engineers understand the landscape of tire manufacturing and use that knowledge to develop innovative concepts to tackle your most difficult problems. With decades of collective experience, our solutions provide a competitive advantage in tire transport, routing and storage.

Tire Building

Our solutions transport and store green tires on-time while avoiding unnecessary risks. Maintain maximum throughput with conveyor, robotic, and storage buffer solutions designed specifically for green tire handling.

Our Exacta WCS/WMS solutions, along with our industry-leading HMI displays, allow real-time visibility, and control at every point in the process.

Curing

Trust that your tire curing process is handled with precise accuracy and maximum throughput. Our technology improves quality with careful and efficient tire handling within the extreme environmental conditions of tire curing.

Tire Finishing

Don’t miss a beat through any part of trimming, inspection, or rework when using full-control capabilities provided by Exacta’s WCS/WMS. Our equipment is built to provide the highest possible throughput with tire tracking at any part of the tire finishing process.

Warehousing

Explore opportunities to improve warehousing efficiency through robotic, AGV and custom automation technologies. Bastian Solutions can consult and design warehousing systems to modernize your fulfillment needs.
Tire Handling Equipment

Manufacturing tires and wheels requires technology from standardized conveyor to customized equipment for specific layouts. Equipment must be designed with product and environment in mind to meet specialized needs. Bastian Solutions has the experience and capacity to meet technical requirements with modern, ergonomic and cost effective solutions.

- Trench Conveyor
- Incline Conveyor
- Green Tire Zero-Touch Belted Zone Conveyor
- Automatic Bi-Directional Pivot Conveyor
- Manual Pivot Conveyor
- Tire Sortation
- Tire Flipper
- Tire Centering Device
- Tire Justifier
Tire & Wheel Assembly

Exceed growing market expectations with tire and wheel assembly solutions designed to move inventory efficiently without unnecessary risk or waste. Gain a competitive edge with WCS technology that gives you full control of your inventory with accurate tracking and real-time monitoring. Tire and wheel automation from Bastian Solutions transforms your operations with precise tire and wheel handling and reduced labor costs with minimal downtime.

**Vertical Lift**
Vertical lifts are used to easily get tires in and out of manufacturing processes such as tire building, machining, shot blast, buffer storage, etc. Our vertical lifts are designed to ensure high reliability and minimal downtime to keep your plant running 24/7.

**Wheel Flipper**
Wheels are subjected to a shot blast process during manufacturing. Through this process, some of the fine shot becomes trapped in the recesses of the wheels. To remove the shot efficiently, our solution is a rotary flipper that inverts the wheels to dump the shot out two-at-a-time.

**Tire Stacker**
Tire stackers are used to stack tires prior to shipment or storage. Tires can be efficiently stacked coming from a cooling line, up to 4 tires at a time. In-line design allows the stack to be discharged onto a takeaway conveyor without the need for a fork-truck.

**Pallet Lift**
Pallet lifts allow fixtures for green tire handling or wheel handling to be easily tracked and transferred to various levels of the transport system in an efficient and ergonomic manner.

**Inspection Station**
Tire handling solutions must never sacrifice quality. Thus, automated or manual inspection stations are provided to ensure ergonomic handling and that products meet or exceed the quality standards set by the manufacturer.