Bastian Robotics is an independent robotic system integrator dedicated to helping our customers increase productivity through proven technology, automation, and sound operating procedures.

Bastian Robotics provides turn-key solutions from design engineering and simulation all the way through project management and installation. We take great pride in providing exceptional service and flexibility to our customers. Our solutions vary in complexity from simple robotic cells to complete material handling systems. With our in-house controls and manufacturing capability along with complete customer support, we are uniquely positioned to help our customers excel in their markets.

Every solution we propose 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.

Today’s business environment requires constant improvement to maintain a competitive advantage. Bastian Robotics offers clients a comprehensive material handling system using a proven design process. Our engineering methodology includes collecting input from all key stakeholders. We develop all of our concepts based on extensive data gathering and analysis. Then we rely on our broad industry experience to develop material handling system alternatives and a set of evaluation criteria to determine the best solution.

Our process includes defining system requirements, developing layout options, performing computer simulation analysis, and selecting best-of-breed technologies. We use ROI and payback calculations to determine the most economically feasible solution, and our designs are created with the lowest overall cost of operation.

The Bastian Robotics Difference

As an independent integrator, Bastian Robotics can leverage the optimum technologies to help you arrive at a solution that exceeds your expectations. The following are just a few of the many benefits of working with us:

1. In-House Services
   From design and engineering all the way through assembly and programming, we keep the entire process in-house.

2. Factory Acceptance Testing
   Prior to installation, the customer is invited to our facility to see their system set up and tested with their products. This helps ensure a smooth start-up.

3. Proof of Concepts
   When it comes to complex projects, Proof of Concepts help to verify the functionality and key components of a design prior to commencing a full project.

4. Turn-Key Solutions
   We are capable of supplying all the services and equipment you need to both get your system up and running and maintain it.

5. System Modeling
   Simulations and renderings are a great way to verify system capabilities, save time, and money, and reduce potential errors.

6. Innovation
   Bastian Robotics integrates cutting-edge technologies like Bin Picking and Mobile Robotics to tackle even the most complicated tasks.
The Anatomy of a Robotic Solution

A robotic material handling system can be as simple or complex as your operations require. Each system is customized to your needs, allowing you to increase productivity, reduce labor costs, and grow your business.

Material Handling Robots
Industrial robots transport product from one location to another with pinpoint accuracy.

End of Arm Tooling
A robotic end of arm tool is custom engineered to carefully and precisely handle your product.

Case Handling
Case handling can involve bump turners, 90° transfers, layer formers, row formers, sortation (merges & diverts), and pop-up transfers.

Stretch Wrapper
Full pallets are accepted onto the stretch wrapper envelope. The wrapping media attached to the load then wraps around it.

Document Inserter
A Robotic Document Inserter allows for improved efficiency, synchronization of documents to packages, and reduction in bottlenecks.

Pallet Handling
Bastian Robotics offers a wide variety of pallet handling products including rotators, lift tables, transfers, and turn tables.

Transfer Car
Transfer cars provide an economical means of moving pallet loads long distances and merging several pallet conveyor lines into one.

Pallet Conveyor
Pallet conveyors automate the movements of both empty pallets and full pallets to their destination.

Pallet Dispenser & Stacker
Pallet stackers place pallets in a stack for reuse or transport while dispensers ensure a pallet is always ready for use.

Sheet Dispenser
A sheet dispenser improves quality by accurately placing a sheet into the proper position every time.

Pallet Dispenser & Stacker
Pallet stackers place pallets in a stack for reuse or transport while dispensers ensure a pallet is always ready for use.
Machine Tending

Machine Tending robots move product from a supply position, transport it to a machine, orient it, and then interact with the machine.

Robotic machine tending can provide manipulation and transport capabilities that are more complex than basic material handling processes. The robot is used to secure the product from a supply position, transport it to a machine, interact with the machine, and then remove the finished part from the machine.

Bastian Robotics is able to take on machine tending projects that are highly customized given the flexibility of our in-house design and manufacturing capabilities.

Custom end of arm tooling provides repeatable accuracy and improves the quality of production by eliminating placement errors and improving ergonomic conditions.

Pick & Place

High speed pick and place robots take product from one location to another with pinpoint accuracy, providing increased efficiency as well as decreased costs and ergonomic issues.

Human pick and place applications require repetitive motion over a long duration resulting in possible ergonomic issues. Pick and place robots eliminate these problems and can provide increased efficiency as well as decreased production costs.

These robots are typically mounted on a stand to allow access to the entire working envelope. After being identified by an upstream vision system, product will be picked and placed to the desired location by a custom end of arm tool.

Pick and place robots provide extremely high output while improving productivity and product quality.

Case Packing

Robots can pick single or multiple items in order to pack cases to increase throughput, reliability, and accuracy.

In robotic case packing, products are automatically transferred into the robotic cell and are queued for packaging or located automatically by an integrated vision system.

Packages are erected and fed into position where the system will initiate the packing process. Using a custom end of arm tool, the product is picked and placed by the robot into the desired package.

Once the packaging is complete it exits the system and the robot repeats the packing process. Typically, cases are then sealed and subsequently conveyed to a palletizing robot.

Palletizing

Robots can be used to palletize a multitude of different objects consisting of different shapes, sizes, weights, and materials.

Case Palletizing. Robotic case palletizers offer exceptional flexibility and superior return on investment based on improved work environment, increased production, reduced costs, and improved pallet quality.

Bulk Products. Robots can palletize objects of different shapes, sizes, weights, and materials.

Depalletizing. Robotic depalletizing can increase throughput, production efficiency, and machine utilization. Robotic depalletizing can also reduce ergonomic issues and eliminate repetitive manual tasks.

Mixed Palletizing. Robotic mixed load palletizing improves ergonomics and allows for high SKU variation on pallets.

Full Layer. When faster rates are required, a full layer of product can be palletized using a standardized end of arm tool. The ability to meet higher rates also increases throughput and improves operational efficiency.

Bag Palletizing. Bags are typically fed into a palletizing cell via an infeed conveyor. The robot then accurately picks and places the bags onto a pallet until complete. Robotic bag palletizers lead to increased production, reduced costs, and high uptime.

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Depalletizing. Robotic depalletizing can increase throughput, production efficiency, and machine utilization. Robotic depalletizing can also reduce ergonomic issues and eliminate repetitive manual tasks.

Mixed Palletizing. Robotic mixed load palletizing improves ergonomics and allows for high SKU variation on pallets. A mixed pallet building system can reduce employee turnover and increase order accuracy.

Bulk Products. Robots can palletize objects of different shapes, sizes, weights, and materials. From automotive batteries and scrap metal bales to plastic bottles and containers, robots can carefully handle your product and improve your operation.
Our Global Offices

United States
- Indianapolis, Indiana (Corporate HQ)
- Pomona, California
- Atlanta, Georgia
- Greenfield, Indiana
- Evansville, Indiana

Fort Wayne, Indiana
Chicago, Illinois
Lexington, Kentucky
Louisville, Kentucky
Baltimore, Maryland
Detroit, Michigan
Grand Rapids, Michigan
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