

Material Handling and Assembly Systems

Increase Output Quality and Quantity while Reducing Operating Cost

Why Invest in an Assembly System?

Manufacturers are under increasing demands by customers who require shorter product lead times with higher quality and at a lower cost. These customer expectations are requiring manufacturers to improve their processes and business models. To stay competitive, manufacturers must apply efficient assembly methods.

One method implemented to stay ahead of the competition is to employ a modern assembly system. A well-developed assembly system can improve production output, by balancing task times and reducing idle time. Similarly, smooth material flow can increase product quality by introducing standard process practices.

Many manufacturers are beginning to implement build to order production models, so that they can reduce inventory that might become outdated before being shipped. Using a flexible and well-organized assembly system can allow manufacturers to build customized products or quickly change the configuration of a line to accommodate a different product model.

Today's manufacturers must also be conscious of their workers safety and well-being. An assembly system can ensure operator health by incorporating ergonomic workstations, lift assist equipment for over-sized loads, and an operator safe conveyor system.

All the above initiatives can be met while also reducing operating costs. Instead of increasing labor to keep up with increasing production demands, manufacturers must now work smarter by investing in assembly systems that will adjust to their demands and be a continuous asset for the future.

Why Choose Omni Automation, Inc.?

We have the knowledge and experience to design and install a system that will meet your needs today and in the future. We have completed projects all over the world, from Hungary to Malaysia. Our customers include top contract manufacturers that require the leanest of manufacturing principles. We collaborate with the customer to design a system that meets their exacting requirements, within their budget. Our project management team coordinates with the customer through the entire project life to ensure that metrics and milestones are being met. The system installation can be the most demanding phase of a project and our highly trained technicians ensure a quality job every time.

What Makes Our Systems Unique?

Our assembly systems incorporate 24V DC MDR conveyor with integrated workstations. The conveyor utilizes distributed controls technology, which enables it to be easily reconfigured or expanded. The workstations are seamlessly integrated with conveyor system in perpendicular, parallel, or inline orientations. The workstations are often configured for standard tasks. However, each customer's practices are different and a system design can be implemented for extremely lean or quite complex manufacturing.

Omni Automation, Inc. strives to integrate only those components and systems, which minimize maintenance and downtime. Our assembly conveyor systems incorporate standard off-the-shelf components that are easily maintained and replaced.

We can also provide all support equipment such as: Bridge and Trolley Hoists, Vacuum Lifts, Carts, Pallet Racks, Flow Racks, Shelves, Stackers, Pallet Trucks, Continuous Vertical lifts (Pallet and Tote), and all types of conveyor products.



Workstations integrated into conveyor system.



Motorized Roller Conveyor allows tracking and total control of product, ensuring no contact between valuable units.



Continuous Vertical Lifts with 6,000 lbs. capacity, used to transport materials and finished product by pallet from the ground to the third floor and vice versa.

For more information on Omni Automation assembly and conveyor technology, please call 480-216-3286 or E-mail sales@omni-az.com.



Kitting w/ Flow Rack



Custom Equipment



Weigh-in-Motion



Lift Assist Equipment



Ergonomic PC Stations



Product Distribution



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Automated Assembly and Material Flow Experts