Robotics for Pallet Assembly, Repair and Sortation
Why Robotics?

To compete and thrive in the pallet industry, you must respond to customer demand. This includes ever increasing product mix and shorter production runs. Robotics automation can help you thrive by producing higher-margin, higher-quality, custom pallets.

- Robots increase productivity
- Flexibility to produce wider variety of pallets
- Consistent quality – all week long
- Reduce injury claims
- Improve working environment
- Robots do the heavy, difficult work allowing operators to do higher value tasks
Robotic Pallet Assembly

- Capable of more than doubling production capacity per person

- Pallet build rates of over 500 per shift

- Typical capital payback in 18 months or less

- Product changeover in mere minutes

- Reduced fastener cost with bulk nail feeding option

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Robotic Sortation

- Sort up to 800 pallets per hour with standard 2 robot system
- Easily scalable by adding additional robots
- Robots reduce sorting operation labor to one person
- Reduce capital cost over standard stacker sort systems
- Reduce maintenance cost over traditional sorting systems
**Robotic Dismantling**

- The operator simply selects the bad components and the robot does the rest
  - Allows operator to concentrate on repair
  - Increase repairs per labor hour
At Alliance Automation, we design, build, and install automation solutions that add to your bottom line. No matter the challenge or the problem to solve, we believe we’ve assembled the best team in our industry to provide your solution.

52,000sq. ft. facility in Van Wert, OH
40,000sq. ft. facility in Delphos, OH
Engineering office in Fort Wayne, IN
Sales office in Cookeville, TN

Alliance Automation also offers:

- Pallet repair lines
- Repair tables
- Paint systems
- Conveyor systems
- Stackers
- De-stackers
- Custom solutions

Ask about our rental and leasing programs.