

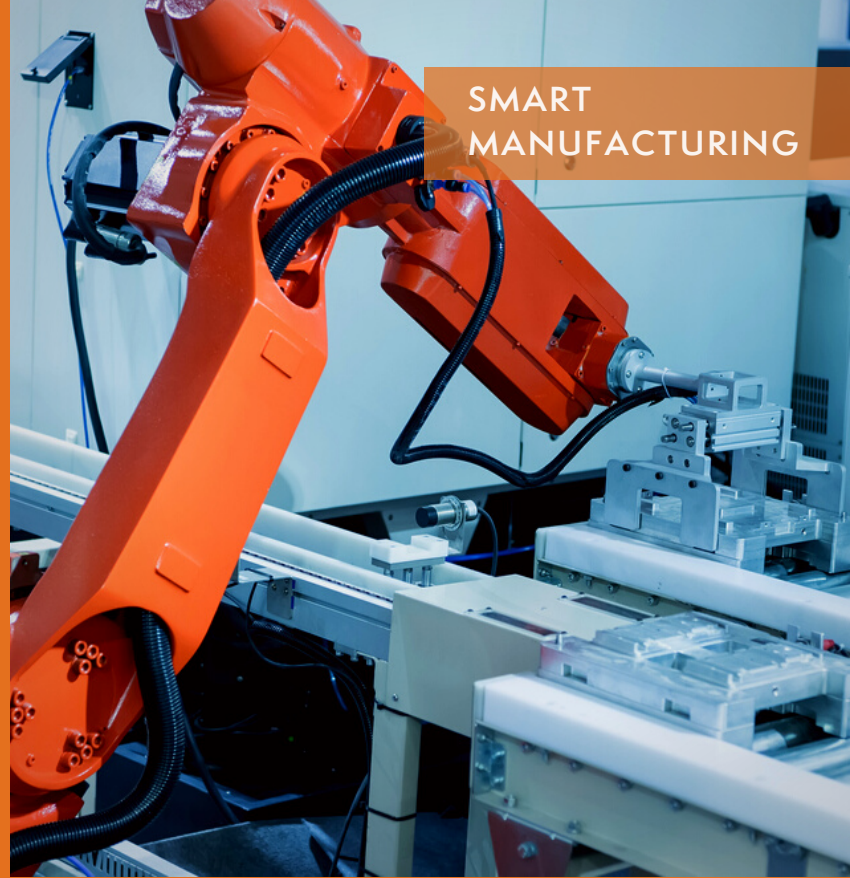
ROBOTICS

Learn how to become more efficient, safer, and increase revenue.

Implementing robotics into industrial automation is changing the face of production. Manufacturers around the globe are implementing some form of automation to become more efficient, safer, and ultimately increase revenues. While some advantages are obvious, there may be more than you think. Add them all together and you can see why so many industries are investing in industrial robots.

BENEFITS OF INDUSTRIAL ROBOTICS

- **Quality Control**
 - No one likes purchasing an item, only to be disappointed by the poor quality. Robots are a great solution for higher quality production. Quality builds trust from customers, as well as price, knowing that you are contributing something of value.
- **Repeatability**
 - Being consistent and knowing that you will get the same quality end product is critical to efficiency. A robot is able to perform the same task, exactly the same way, over and over again. Less errors = less wasted time.
- **Waste Reduction**
 - Consistent repeatability allows manufacturers to reduce overall waste. Less errors not only saves time, but also reduces the amount of material required to produce the product. A couple of examples: robots can use less wire for welding, less amount of paint, and can cut closer to the edge.
- **Faster Cycle Times**
 - Unfortunately, humans have their limitations. Robots have been known to greatly improve production cycle speeds. The more you can produce, the higher demand you can meet, allowing you to ultimately bring in more money.



SMART
MANUFACTURING

ROBOTIC SOLUTIONS

- 6-Axis & Collaborative Robots
- SCARA Robots
- Delta Robots
- Mobile Industrial Robots/AGVs
- End of Arm Solutions
- Technical Services
- Design & Consultation

MORE BENEFITS OF ROBOTICS



- **Improved Workplace Safety**
 - There are so many dangerous work environments that can have horrible side effects on a human body. Using robots to relieve workers experiencing too much exposure to fumes and gases, or in close interaction with lasers or blades can tremendously decrease the possibility of injury.
- **Reduction of Labor Costs**
 - Labor can be expensive, especially when you factor in medical benefits, paid time off, injury comp time, etc. Robots can replace certain jobs, but that doesn't mean they are going to take over the world. It simply means we need to readjust our focus. Understanding that robots are there for our own safety and efficiency allows us to remove workers from tough tedious jobs, to more fulfilling roles.
- **Reduced Floor Space**
 - It's easy to start sprawling out across the shop floors with extra materials, tools, and machinery. Robots can help reduce the footprint of the required workspace by optimizing everything into a smaller, confined space.
- **Integration with Business Systems**
 - Nowadays, communication between multiple data platforms is rapidly growing and improving efficiency. You can see when there's a bottleneck a lot quicker with proper technology installed. Robots and machinery are talking with one another to give business leaders a better view on the overall picture, helping them make smarter decisions on how to improve their process.

INDEPENDENT CART TECHNOLOGY (ICT)

Independent cart technology (ICT) is a new approach to linear motors. Traditional conveyors rely on gears, chains, and belts. Independent cart technology uses magnets to precisely control motion with frictionless propulsion. The result is fewer parts to worry about, reduced energy consumption, and the ability to quickly start and stop loads without losing control or putting wear on parts.

Discover more with a flexible design and quick changeovers.

ICT Hardware:

- iTRAK Intelligent Track Systems
- MagneMover LITE Intelligent Conveyor System
- QuickStick Intelligent Conveyor System



For more information, please visit
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