

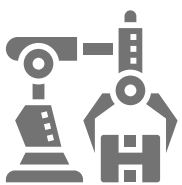


Industry 4.0 Are You Ready? I4.0 Business Benefits

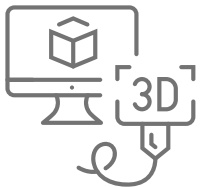


Small Industry 4.0 changes can be made to enhance existing business systems & processes, resulting in increased production, greater efficiency and lower costs.

Industry 4.0 groups physical and digital systems into an intelligent production network where different components interact and collaborate together. It includes artificial intelligence, 3D printing, robotics, augmented and virtual reality, the Cloud and cybersecurity.



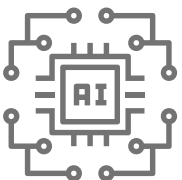
Making smart factory changes can be a small-scale investment in a few affordable solutions to transform your business or manufacturing floor. Robotics can handle repetitive, dull, dirty or dangerous jobs and allow you to redistribute human labor to more value-added jobs. Robots and machines have become simpler, safer, more flexible and productive.



3D printing and additive manufacturing have become leading technologies in manufacturing to reduce costs, and produce customized, quick "on demand" parts. 3D printing has allowed factories to reduce material waste and increase flexibility to meet customer demands. 3D printing also is used in retail, healthcare, dental devices, and in classrooms for research in the field of medicine.



Big data analytics is crucial for supply chain optimization and utilizing data sets to discover patterns, trends, issues and customer preferences. Manufacturers collect data from smart sensors through cloud computing platforms to help them improve production efficiency, improve output, reduce costs and eliminate waste.



AI helps to solve workforce shortages, close skills gaps and provide tools to empower your frontline workforce to perform at higher levels of productivity, quality and safety. Healthcare, education, retail and e-commerce, and manufacturing are all industries utilizing AI technologies.



Industry 4.0

Real World Examples

Emerging Industry 4.0 Technologies with Real World Examples: <https://www.machinmetrics.com/blog/industry-4-0-technologies>

Workforce: Don't worry, robots aren't coming to replace you. They're coming to work with you.

Manufacturing

- Small machine shop makes big moves with Industry 4.0
- Robot helps Romulus manufacturer grow client base and improve work environment
- Manufacturing Execution Systems: What You Don't Know Can Hurt You
- Early adopters and innovators with successful I4.0 initiatives have realized substantial business value across many critical areas of their factory operations.
- Industry 4.0 Helps Manufacturers Solve Workforce Issues
- Industry 4.0 Implementation for Small and Medium-Sized Shops

Food & Beverage

- A collaborative robot takes on the repetitive task of icing gourmet cookies
- Robot cooks and virtual kitchens: How the restaurant industry looks to technology for help
- Tablets on Restaurant Tables / Major chains can't get enough of the sales-boosting devices

Retail / E-Commerce

- The future of AI in the workplace relies on the successful integration of humans and bots.
- How Cloud Computing is Transforming the Retail Sector
- Retail 4.0: The Future of Retail In a Digital World

Agriculture

- The CNH Industrial Autonomous Tractor Concept
- 9 Robots That Are invading the Agriculture Industry
- 1) AI in Agriculture 2) Is The Grass Greener?

Healthcare

- 18 Examples of Big Data Analytics in Healthcare That Can Save People
- From surgeries to keeping company: The Place of Robots in Healthcare
- 6 Ways AI and Robotics Are Improving Healthcare

Hospitality/Service Sector

- How Technology Will Reshape the Hotel Industry Post-COVID-19 pandemic
- Meet the robots at your service in the hospitality industry
- Importance and Impact of Big Data in Hospitality Industry