

# TOP THREE GLOBAL TRENDS IN AUTOMATION

In the age of Industry 4.0, increased automation on the factory floor has helped manufacturers optimise production. With a variety of technologies available, it is difficult to know what will provide the best return on investment.

Staying up to date with the latest global trends helps manufacturers understand the best equipment to use in order to remain competitive and provide efficient services and high-quality products to its customers.

## MACHINE LEARNING

Machine learning is not a recent technology, yet more manufacturers are adopting it as becomes more advanced. Manufacturers can benefit from machine learning as the technology makes adaptations based on data algorithms to improve processes.

Manufacturers using the software can save time and money as the machines quickly find patterns and make predictions previously done by data analysts.

## SMART POWER GRIDS

Utilities are vital in any manufacturing process but can be costly if not used efficiently. The national grid prevents manufacturers from taking full control of how utilities are distributed. Manufacturers around the world are now investing in smart grids to optimise the use of utilities within the factory.

This technology uses sensors and other monitoring equipment and software to ensure that electricity, water or gas is used to its full potential in the factory. Using smart grids means that only the necessary utilities are used, reducing costs and environmental impact.

## GOING PAPERLESS

Connected machines collect analytical data that allows manufacturers to see real time information on equipment efficiency and carry out predictive maintenance. Manufacturers can also adopt more technology in administrative tasks to improve efficiency in other areas of the factory.

Using electronic devices for inventory, accounts and other processes improves the quality of accuracy of information, while providing real time data that anyone in the plant can access.

For the best return on investment, manufacturers can look to global automation trends to see what technology will best optimise processes.