

2019 Engineering Research Review

<https://marketpublishers.com/r/2DEB7003B79EN.html>

Date: October 2019

Pages: 175

Price: US\$ 1,250.00 (Single User License)

ID: 2DEB7003B79EN

Abstracts

REPORT SCOPE:

In recent times, the engineering industry is adopting several digital technologies that includes digital sensors, robotics, AI, augmented reality, virtual reality, 3D scanning, 3D printing, autonomous equipment, among others. These technical advancements help companies in improving their processes and transform the way of working in the manufacturing industry.

Manufacturers are increasingly leveraging the technologies such as robotics, Internet of Things (IoT), within an existing infrastructure. It is helping in achieving cost reduction, increased efficiency, improved safety, and product innovation. The Automation is aiding manufacturing industry for seamless production and this trend is expected to continue in near future.

In coming years, Industry 4.0 will be a new age of digitally enabled manufacturing where computers will control the automated production line. An important feature of industry 4.0 will be the presence of autonomous manufacturing methods powered by IoT. Most of the major players in the robotic industry are providing autonomous robots. With the advent of newer technologies smarter and efficient robots are being produced. Autonomous robots have many applications ranging from assembling the parts, packaging, painting, coating, couriers, and many more. The use of robots in manufacturing is expected to reduce the overall manufacturing cost.

Research Reviews from BCC Research provide market professionals with concise market coverage within a specific research category. These Research Reviews include portions of several market research reports that were published in 2018 and are an efficient way for market professionals to keep up with the general market developments of 2019.

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