

YEARBOOK
2018

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NEW MANUFACTURING

Gateway to the future

Michael Liff explains that information is the gateway to Industry 4.0, but too many manufacturers haven't unlocked the power of the data they already own



It's not just the volume of data being generated, but the quality of the data that is the key to unlocking the power of Industry 4.0. Michael Liff, Managing Director of the Manufacturing Institute, explains that many manufacturers are still using outdated data collection methods, such as manual data entry or paper-based systems. He argues that to truly harness the power of data, manufacturers need to invest in modern data collection and analysis tools. Liff notes that the data generated by modern manufacturing processes is vast and complex, and that it needs to be processed and analyzed in real-time to be useful. He also points out that many manufacturers are still using legacy systems that are not designed to handle the volume and variety of data generated by modern manufacturing processes. Liff concludes that the key to success in Industry 4.0 is to invest in modern data collection and analysis tools, and to ensure that the data is being used to improve manufacturing processes and reduce costs.

NEW MANUFACTURING

Machine learning 4.0

Intelligent machines are the foundation of smart factories. But incorporating the right capabilities into their designs creates new challenges for machine builders. Mark Turner explains



Machine learning is a key technology for Industry 4.0, enabling machines to learn from data and improve their performance over time. Mark Turner, Managing Director of the Manufacturing Institute, explains that incorporating machine learning capabilities into machine designs creates new challenges for machine builders. Turner notes that machine learning requires large amounts of data, and that machine builders need to ensure that their machines are capable of collecting and processing this data. He also points out that machine learning algorithms can be complex and difficult to implement, and that machine builders need to have the expertise to develop and deploy these algorithms. Turner concludes that the key to success in incorporating machine learning into machine designs is to ensure that the machine is capable of collecting and processing the data needed for machine learning, and to have the expertise to develop and deploy machine learning algorithms.

YEARBOOK 2018

Headline

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