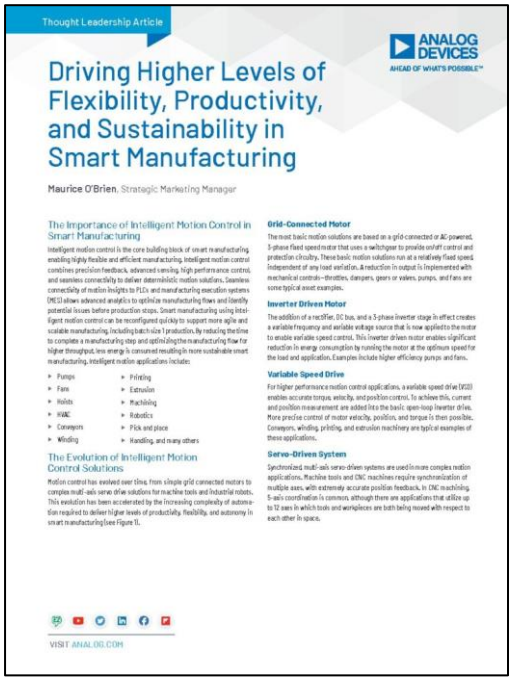
Driving Higher Levels of Flexibility, Productivity, and Sustainability in Smart Manufacturing



The Importance of Intelligent Motion Control in Smart Manufacturing

Intelligent motion control is the core building block of smart manufacturing, enabling highly flexible and efficient manufacturing. Intelligent motion control combines precision feedback, advanced sensing, high performance control, and seamless connectivity to deliver deterministic motion solutions. Seamless connectivity of motion insights to PLCs and manufacturing execution systems (MES) allows advanced analytics to optimize manufacturing flows and identify potential issues before production stops. Smart manufacturing using intelligent motion control can be reconfigured quickly to support more agile and scalable manufacturing, including batch size 1 production. By reducing the time to complete a manufacturing step and optimizing the manufacturing flow for higher throughput, less energy is consumed resulting in more sustainable smart manufacturing.