Industrial Robotics





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Industrial Robotics has a polarized view throughout the manufacturing sector in the United States. On one hand the robotic automation is a way of life for manufacturers seeking to be globally competitive, as well as reduce the reliance on manual labor to perform redundant tasks. On the other hand, there are the majority of manufactures

that have yet to utilize their first robot. The statistic is often quoted as, '90 per cent of the manufacturers in the United States have yet to use their first robot'. Written by an expert in the field who has year of practical, 'real-world' experience, this unique resource covers a broad spectrum of robotics that can be readily used and applied by education and manufacturing personnel. Additionally, the texts would be most likely written with a theoretical theme. Developed with the intent of being practical and easily applied, "Industrial Robotics" provides guidance to personnel involved in manufacturing who are thinking about implementing a robotic program. This essential tool literally replaces the robotics sales and engineering team that strives to educate end-users about automation when the end user is considering the task of making a significant capital investment in robotic processes. The book: provides a broad, semi-detailed review of various robotic applications based on process, including machine tending for CNC machine, press brake tending, deburring, grinding, dispensing, and welding; incorporates existing articles, as well as the author's own knowledge to describe points of interest and background; illustrates points by featuring using an interview format between the author and the user or expert providing opinion and insight; features numerous illustrations, drawings, and charts in every chapter; and uses case studies to describe points and features North American based examples.

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