



Industrial Automation and Robotics: An Introduction

By A.K. Gupta, S.K. Arora, Jean Riescher Westcott

[Download now](#)

[Read Online](#) 

Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott

The purpose of this book is to present an introduction to the multidisciplinary field of automation and robotics for industrial applications. The companion files include numerous video tutorial projects and a chapter on the history and modern applications of robotics. The book initially covers the important concepts of hydraulics and pneumatics and how they are used for automation in an industrial setting. It then moves to a discussion of circuits and using them in hydraulic, pneumatic, and fluidic design. The latter part of the book deals with electric and electronic controls in automation and final chapters are devoted to robotics, robotic programming, and applications of robotics in industry.

eBook Customers: Companion files are available for downloading with order number/proof of purchase by writing to the publisher at info@merclearning.com.

Features:

- * Begins with introductory concepts on automation, hydraulics, and pneumatics
- * Covers sensors, PLC's, microprocessors, transfer devices and feeders, robotic sensors, robotic grippers, and robot programming

 [Download Industrial Automation and Robotics: An Introductio ...pdf](#)

 [Read Online Industrial Automation and Robotics: An Introduct ...pdf](#)

Industrial Automation and Robotics: An Introduction

By A.K. Gupta, S.K. Arora, Jean Riescher Westcott

Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott

The purpose of this book is to present an introduction to the multidisciplinary field of automation and robotics for industrial applications. The companion files include numerous video tutorial projects and a chapter on the history and modern applications of robotics. The book initially covers the important concepts of hydraulics and pneumatics and how they are used for automation in an industrial setting. It then moves to a discussion of circuits and using them in hydraulic, pneumatic, and fluidic design. The latter part of the book deals with electric and electronic controls in automation and final chapters are devoted to robotics, robotic programming, and applications of robotics in industry.

eBook Customers: Companion files are available for downloading with order number/proof of purchase by writing to the publisher at info@merclearning.com.

Features:

- * Begins with introductory concepts on automation, hydraulics, and pneumatics
- * Covers sensors, PLC's, microprocessors, transfer devices and feeders, robotic sensors, robotic grippers, and robot programming

Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott Bibliography

- Rank: #1554229 in Books
- Published on: 2016-11-29
- Original language: English
- Number of items: 1
- Dimensions: 9.20" h x 1.30" w x 7.20" l, .0 pounds
- Binding: Hardcover
- 400 pages



[Download Industrial Automation and Robotics: An Introductio ...pdf](#)



[Read Online Industrial Automation and Robotics: An Introduct ...pdf](#)

Download and Read Free Online Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott

Editorial Review

Review

"*Industrial Automation and Robotics* provides a basic but technical introduction to the field of robotics in industrial applications, and covers the basic mechanical and electrical concepts involved and how they are used in automation. Chapters survey physics laws and basic principles of operation, closely inspect circuitry and fluidics, and add information on the programming and operations of robots. Packed with technical discussions and an attention to an overview that is clear and definitive, *Industrial Automation and Robotics* is recommended as a basic introduction for any novice entering the field." (The Technology Shelf, The Bookwatch *Midwest Book Review*)

About the Author

A.K. Gupta has been an instructor of mechanical engineering for over ten years and has had numerous research papers published in peer-reviewed international journals in this field.

S.K. Arora is a university instructor and researcher.

Jean Riescher Westcott has written broadly on technology in books and online. She is a co-author of *The Complete Idiot's Guide to Electronics 101* (Alpha/Penguin Books) and *Digitally Daunted: The Consumer's Guide to Taking Control of the Electronics in Your Life* (Capital Books).

Users Review

From reader reviews:

Priscilla McCreary:

Why don't make it to be your habit? Right now, try to ready your time to do the important behave, like looking for your favorite publication and reading a reserve. Beside you can solve your problem; you can add your knowledge by the reserve entitled *Industrial Automation and Robotics: An Introduction*. Try to make book *Industrial Automation and Robotics: An Introduction* as your good friend. It means that it can to become your friend when you experience alone and beside regarding course make you smarter than ever before. Yeah, it is very fortuned to suit your needs. The book makes you more confidence because you can know everything by the book. So , we need to make new experience and knowledge with this book.

Barbara Goodman:

Have you spare time for just a day? What do you do when you have considerably more or little spare time? Sure, you can choose the suitable activity for spend your time. Any person spent their own spare time to take a walk, shopping, or went to often the Mall. How about open or read a book titled *Industrial Automation and Robotics: An Introduction*? Maybe it is to get best activity for you. You already know beside you can spend your time together with your favorite's book, you can smarter than before. Do you agree with their opinion or you have other opinion?

David Briggs:

Now a day people that Living in the era exactly where everything reachable by connect with the internet and the resources in it can be true or not require people to be aware of each facts they get. How many people to be smart in getting any information nowadays? Of course the correct answer is reading a book. Reading a book can help people out of this uncertainty Information particularly this Industrial Automation and Robotics: An Introduction book because this book offers you rich details and knowledge. Of course the details in this book hundred % guarantees there is no doubt in it everybody knows.

Craig Palmer:

This Industrial Automation and Robotics: An Introduction is brand new way for you who has intense curiosity to look for some information since it relief your hunger info. Getting deeper you on it getting knowledge more you know or you who still having little bit of digest in reading this Industrial Automation and Robotics: An Introduction can be the light food for you personally because the information inside this specific book is easy to get by anyone. These books produce itself in the form that is certainly reachable by anyone, that's why I mean in the e-book web form. People who think that in guide form make them feel drowsy even dizzy this reserve is the answer. So there isn't any in reading a reserve especially this one. You can find actually looking for. It should be here for you. So , don't miss the idea! Just read this e-book variety for your better life and knowledge.

**Download and Read Online Industrial Automation and Robotics:
An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher
Westcott #SHUBP2VXRI0**

Read Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott for online ebook

Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott books to read online.

Online Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott ebook PDF download

Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott Doc

Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott MobiPocket

Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott EPub

SHUBP2VXRI0: Industrial Automation and Robotics: An Introduction By A.K. Gupta, S.K. Arora, Jean Riescher Westcott