

Manufacturing Automation Metal Cutting Mechanics Machine Tool Vibrations And Cnc Design

INTRODUCTION (Chapter 1) - Manufacturing Automation

Manufacturing Automation: Metal Cutting Mechanics, Machine Tool Vibrations, and CNC Design. Keywords: Cutting, Welding, Computer numerical control, Automation, Manufacturing. Y. Altintas Cambridge University Press 2000 298 pp. ISBN 0-521-65973-6 £ 24.95, hardback. This book provides practical coverage of metal cutting mechanics, CNC system design and CAD/CAM technology.

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This text treats the scientific principles of metal cutting and their practical application to manufacturing problems. The author uses mathematics, physics, computers, software, and instrumentation as integration tools in analyzing machine implements and manufacturing. Metal cutting is one of the most widely used methods of producing the final shape of manufactured products.

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