

Machining Technology: Machine Tools and Operations

By Helmi A. Youssef, Hassan El-Hofy

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Offering complete coverage of the technologies, machine tools, and operations of a wide range of machining processes, **Machining Technology** presents the essential principles of machining and then examines traditional and nontraditional machining methods. Available for the first time in one easy-to-use resource, the book elucidates the fundamentals, basic elements, and operations of the general purpose machine tools used for the production of cylindrical and flat surfaces by turning, drilling and reaming, shaping and planing, milling, boring, broaching, and abrasive processes.

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Review

"This work is useful for students who want to learn about machine tools and machining and who want to become machinists or instrument makers. Recommended."
*?*A.M. Strauss, Vanderbilt University, CHOICE, Oct. 2008, Vol. 46, No.2

"…describes the fundamentals of processes, their capabilities, typical applications, advantages and limitations. … a useful reference for students at technical colleges, mechanical, manufacturing, industrial and materials engineers, professionals in related industries with manufacturing technology."
?Int. J. Machining and Machinability of Materials, Vol. 13, No. 4, 2013

About the Author
Hassan El-Hofy is a professor in the Mechanical Engineering Department of Qatar University and an associate editor for Qatar Engineering Journal. He is also the chairman of the College Accreditation Committee (ABET) for the Mechanical Engineering Department and has 50 research papers related to nonconventional as well as hybrid machining processes.

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