



Metalworking Sink or Swim
Tips and Tricks for Machinists, Welders, and Fabricators
 By Tom Lipton
 320pp, Full Color illus., ISBN: 978-0-8311-3362-7, \$44.95

This collection of priceless tips, tricks, skills, and experiences from a veteran of the trade is presented in a way that captures the attention of users and engages them in the process of furthering the art. It includes shop-tested descriptions and illustrations of creative and unique skills and observations from almost 40 years in the metalworking trades.



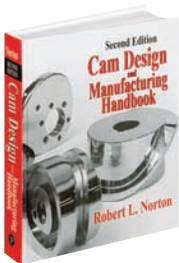
Secrets of Five-Axis Machining
 By Karlo Apro
 184pp, Full Color illus., CD-ROM
 ISBN: 978-0-8311-3375-7, \$54.95

This unbiased, no-nonsense, to-the-point description of 5-axis machining presents information that was gathered during the author's 30 years of hands-on experience in the manufacturing industry, bridging countries and continents, multiple languages - both human and G-Code. As the only book of its kind, Secrets of 5-Axis Machining will demystify the subject and bring it within the reach of anyone who is interested in using this technology to its full potential, and is not specific to one particular CAD/CAM system.



Metal Shaping Processes
Casting and Molding; Particulate Processing;
Deformation Processes; and Metal Removal
 By Vukota Boljanovic
 450 pages, illus., ISBN: 978-0-8311-3380-1, \$59.95

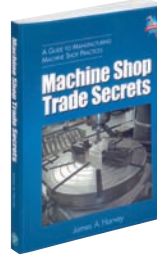
As the only comprehensive text focusing on metal shaping processes, which are still the most widely used processes in the manufacture of products and structures, Metal Shaping Processes carefully presents the fundamentals of metal shaping processes with their relevant applications. The treatment of the subject matter is adequately descriptive for those unfamiliar with the various processes and yet is sufficiently analytical for an introductory academic course in manufacturing.



Cam Design and Manufacturing Handbook
SECOND EDITION
 By Robert L. Norton
 640pp., illus. ISBN: 978-0-8311-3367-2 \$99.95

The use of computers for engineering design and in CNC for manufacturing, and the many fundamental research results published in recent years have dramatically changed the cam design and manufacturing process. This new edition has been updated throughout with the latest technology from engineering practice and from the author's own research. Beginning at an

introductory level and progressing to more advanced topics, this book provides all the information needed to properly design, model, analyze, specify, and manufacture cam-follower systems. As an extra bonus, this book enables you to download a 90-day trial demonstration copy of the Professional Version of DYNACAM Plus and offers a special discount equivalent to the cost of the book to purchase the full version.



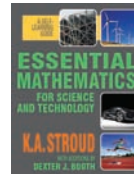
Machine Shop Trade Secrets
A Guide to Manufacturing Machine Shop Practices
 By James A. Harvey
 320 pp., illus.
 ISBN: 978-0-8311-3227-9, \$41.95

Written by an experienced machinist and plastic injection mold maker, this groundbreaking manual will have users thinking and producing like experienced machinists. Machine Shop Trade Secrets provides practical "how-to" information that can immediately be put to use to improve one's machining skills, craftsmanship, and productivity. It is sure to be used and referred to time and again.



Maintenance and Reliability
Best Practices
 By Ramesh Gulati
 430pp, illus., ISBN: 978-0-8311-3311-5, \$49.95

This book recognizes that to implement best practices requires a workforce with a thorough understanding and knowledge of Maintenance and Reliability principles and available technologies. But implementation is not as simple as just putting something new into effect. To truly implement a best practice requires learning, relearning, benchmarking, and realizing better ways of ensuring high reliability and availability of equipment and systems. This book explains and supports this ongoing process, and is an essential guide and reference for everyone who wants to ensure that their company's assets are operating as and when needed and at reasonable cost



Essential Mathematics for Science and Technology: A Self-Learning Guide
 By K.A. Stroud
 752 pages, 8x10, ISBN: 978-0-8311-3391-7, \$64.95

This text teaches all the essential math needed for college-level science and technology. Using the phenomenally successful pedagogical approach of the world-wide bestselling Engineering Mathematics by the same authors, it takes users through the math step-by-step with a wealth of examples and exercises. An appropriate refresher or brush-up for sci-tech students whose math skills need further development.



Lean Manufacturing:
Implementation Strategies That Work
 By John W. Davis
 200 pages, 6 x 9, illus.,
 ISBN: 978-0-8311-3385-6 \$39.95

Divided into three basic sections, this unique resource provides an understandable and implementable approach to inserting Lean in a manufacturing operation, pointing out the stumbling blocks and pitfalls to avoid. Its goal is to help American manufacturing more effectively go about the task of making Lean a viable process. The significance of the work is that, if followed, it could change the entire course of how Lean Manufacturing is implemented in the United States and help manufacturing, in general, to become more competitive on a world-wide scale.