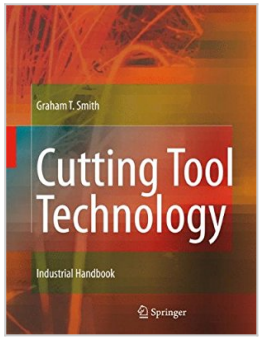

Cutting Tool Technology: Industrial Handbook

By Graham T. Smith

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It is a well acknowledged fact that virtually all of our modern-day components and assemblies rely to some extent on machining operations in their manufacturing process. Thus, there is clearly a substantive machining requirement which will continue to be of prime importance for the foreseeable future. *Cutting Tool Technology* provides a comprehensive guide to the latest developments in the use of cutting tool technology. The book covers new machining and tooling topics such as high-speed and hard-part machining, near-dry and dry-machining strategies, multi-functional tooling, ‘diamond-like’ and ‘atomically-modified’ coatings, plus many others. Also covered are subjects important from a research perspective, such as micro-machining and artificial intelligence coupled to neural network tool condition monitoring. A practical handbook complete with troubleshooting tables for common problems, *Cutting Tool Technology* is an invaluable reference for researchers, manufacturers and users of cutting tools.

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Editorial Review

Review

From the reviews:

“Cutting tool technology presents an important role in metal cutting. Cutting tool is a key factor for the machining operation success. … This industrial handbook covers the cutting tool technology with high quality in nine chapters. … The present book can be used for undergraduate engineering course (for example, manufacturing, mechanical, etc.). Also, this book can serve as a useful reference for students at technical colleges, mechanical and manufacturing engineers, professionals in related industries with machine tools and machining processes.” (J. Paulo Davim, International Journal of Machining and Machinability of Materials, Vol. 9 (1/2), 2011)

From the Back Cover

It is a well acknowledged fact that virtually all of our modern-day components and assemblies – domestic, medical, industrial, automotive or aerospace, etc. – rely to some extent on machining operations in their manufacturing process. These wide-ranging manufactured components clearly show that there is a substantive machining requirement, which will continue to grow and thus be of prime importance for the foreseeable future.

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