Machine Tool Technology Basics Includes CD-ROM
This text is designed for beginning machine trades students, industrial machine tool training and practitioners. Divided into three sections, it starts with basic metal-to-metal removal operations of conventional machines, progresses to CNC machines, and finishes with CAD/CAM. Offers practical examples on basic operations, CNC programming, and CAD/CAM designing.

Pipe Welding Procedures Second Edition
A standard reference for decades, this new edition of Pipe Welding Procedures combines the best of the welder's understanding of procedures. Describes in detail the manipulating procedures used to weld pipe joints. Readers will find useful information on heat input and distribution, essentials of shielded metal-arc technology, distortion, pipe welding defects, welding safety.

Glossary of Metalworking Terms
As the only modern glossary of terms related to the fabrication and use of metals and metalurgy, Glossary of Metalworking Terms covers more than 4,000 essential general and functional terms used in all areas related to metalworking and manufacturing technology. Many entries are cross-referenced to make related topics instantly accessible.

The Tool Steel Guide
The Tool Steel Guide is packed with specifications, heat treatments and applications of all types of die and mold steels, as well as ideas and suggestions on how to prepare steels for machining and heat treatment. This handy and convenient guide will go a long way in helping dispel the air of mystery that for many years has surrounded the selection, heat treatment and use of tool steels.

Advanced Engineering Mathematics through Applications
A comprehensive reference and self-study guide for professionals and students. The mathematics is developed through detailed worked examples rather than formal proofs. Includes hundreds of examples and exercises and a refreshed chapter devoted to vectors, matrices, differential equations and solution by numerical methods. The answers to all the questions are included within.

CNC Programming and CAD/CAM Designing
This textbook covers everything from programming basics to bench-top teaching machines to industrial machines to milling and turning programming to an introduction to CAD/CAM. What's more, a CAD/CAM SOFTWARE PROGRAM, included in each book, makes it possible to design a part on the computer, generate machining codes, and simulate the tool path (cutting action) to check for programming errors.

Engineering Mathematics
This best-selling reference is almost like having your own personal tutor. You proceed at your own rate and any difficulties you may encounter are resolved before you move on to the next topic. A step-by-step programmed approach that is complemented by hundreds of worked examples and exercises.

Pipe Welding Procedures
A standard reference for decades, this new edition of Pipe Welding Procedures combines the best of the welder's understanding of procedures. Describes in detail the manipulating procedures used to weld pipe joints. Readers will find useful information on heat input and distribution, essentials of shielded metal-arc technology, distortion, pipe welding defects, welding safety.

The Tool Steel Guide
The Tool Steel Guide is packed with specifications, heat treatments and applications of all types of die and mold steels, as well as ideas and suggestions on how to prepare steels for machining and heat treatment. This handy and convenient guide will go a long way in helping dispel the air of mystery that for many years has surrounded the selection, heat treatment and use of tool steels.

Advanced Engineering Mathematics through Applications
A comprehensive reference and self-study guide for professionals and students. The mathematics is developed through detailed worked examples rather than formal proofs. Includes hundreds of examples and exercises and a refreshed chapter devoted to vectors, matrices, differential equations and solution by numerical methods. The answers to all the questions are included within.

CNC Programming and CAD/CAM Designing
This textbook covers everything from programming basics to bench-top teaching machines to industrial machines to milling and turning programming to an introduction to CAD/CAM. What's more, a CAD/CAM SOFTWARE PROGRAM, included in each book, makes it possible to design a part on the computer, generate machining codes, and simulate the tool path (cutting action) to check for programming errors.

Engineering Mathematics
This best-selling reference is almost like having your own personal tutor. You proceed at your own rate and any difficulties you may encounter are resolved before you move on to the next topic. A step-by-step programmed approach that is complemented by hundreds of worked examples and exercises.
From the ability to understand and use shop mathematics to the reading and interpreting of shop drawings, the editor's intent is to provide the information and know-how that students will need as they prepare themselves for jobs in metalworking industries. It includes material taken from Machinery's Handbook and other authoritative sources and is presented in as clear, accurate, and easy-to-follow form as possible. The reader will find a wide range of useful formulas and data together with extensive text.