



Textbooks, Resources & Guides

NTMA-U Textbooks & Instructor Guides

	NTMA Member	Non-Member	Educator
The Technology of Manufacturing Blueprint Reading for Machinist Training Courses: Basic Blueprint Reading / Intermediate Blueprint Reading <i>Written for introductory blueprint interpretation at the secondary and post-secondary level. This book guides the student to a basic understanding using the universal language of communication for technical drawings for manufacturing and machining.</i>	\$90.00	\$97.00	\$86.00
New Practical Mathematics for Metalworking Trainees Courses: NTMA-U Courses: Basic Math / Applied Mathematics / Intermediate Applied Math <i>This text is written for metalworking trainees using basic mathematical principles and relevant problems and examples common to the manufacturing and machining environment.</i>	\$49.00	\$54.00	\$47.00
New Practical Mathematics for Metalworking Trainees Answer Key	\$28.00	\$30.00	\$27.00
Precision Machining Technology 2nd Edition – NIMS Courses: Precision Machining Technology / Precision Machine Technology 2 <i>The text provides a fundamental and intermediate study of skills and concepts necessary for a successful career in the ever evolving manufacturing field of metalworking and machining. This text follows the NIMS (National Institute of Metalworking Skills) standards for machining standards widely adopted in the US and around the world.</i>	\$124.00	\$130.00	\$124.00
Intro to Geometric Tolerancing & Dimensioning Courses: Intermediate Blue Print Reading with Basic Essentials for GDT / GD&T <i>This text is written to give the reader a foundation of geometric dimensioning and tolerancing from which to build upon as complexities of manufacturing and engineering increase. The author follows the principles, concepts and practices of the ASME Y14.5M-1994 standard. The author, Lowell Foster (1920-2017) had been instrumental in creating and refining the ASME standards.</i>	\$44.00	\$48.00	\$43.00
Intro to Geometric Tolerancing & Dimensioning Instructor's Guide	\$26.00	\$28.00	\$24.00
Material Science for the Precision Technician Course: Metallurgy <i>Beginning with traditional and current iron ore processing, this text explains various steels, alloying materials, heat treatment and processing, chemical, physical, and characteristic testing. The text culminates in a comprehensive glossary defining common steel treating and testing terms.</i>	\$27.00	\$27.00	\$27.00
Basic Diemaking Course: Basic Diemaking <i>Basic Die Making contains information for fundamental die making processes and procedures including design, components, calculations, and troubleshooting. This text has been serving tool and die making apprentices, journeymen, designers, and engineers for many decades with tried and true component and construction techniques and examples.</i>	\$36.00	\$40.00	\$34.00
Basic Diemaking Instructor's Guide	\$31.00	\$33.00	\$30.00
Basic Jig & Fixture Making For Metalworking Trainees Course: Jig & Fixture <i>Expanding on basic machining and manufacturing practices in earlier courses and training, this text covers jig and applications and production conventions and techniques, using common graphical examples and explanations.</i>	\$38.00	\$42.00	\$36.00

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Basic Jig & Fixture Making Instructor's Guide	\$24.00	\$26.00	\$23.00
Moldmaking & Die Cast Dies Course: Moldmaking <i>Mold making is constantly undergoing dynamic technology, material, and process changes. This text serves as a standard for fundamentals of materials, design, construction, assembly, and troubleshooting for plastic injection molding and die casting. Although the technology and processes undergo constant change and innovation, the basic principles remain a constant.</i>	\$49.00	\$53.00	\$47.00
Moldmaking & Die Cast Dies instructor's Guide	\$24.00	\$26.00	\$23.00
Advanced Diemaking Course: Advanced Diemaking <i>As a companion to Basic Die Making, this text explains automatic feeds, all types of progressive dies, secondary dies and operations, drawing and redrawing dies, along with formulas and computations for material selection for varying types of die forming.</i>	\$56.00	\$62.00	\$50.00
Advanced Diemaking Instructor's Guide	\$20.00	\$22.00	\$19.00

Resources & Additional Textbooks	NTMA Member	Non-Member	Educator
NTMA Pre-Apprentice Program Workbook	\$100.00	\$125.00	\$100.00
NTMA Pre-Apprentice Blueprint Blocks & Precision Piece	\$150.00	\$150.00	\$150.00
Harig Speed & Feed Calculator	\$15.00	\$17.00	\$15.00
Measuring & Gaging in the Machine Shop	\$43.00	\$48.00	\$37.00
Modern Geometric Dimensioning & Tolerancing	\$45.00	\$48.00	\$43.00
Precision Grinding	\$54.00	\$58.00	\$52.00
Precision Grinding Instructor's Guide	\$29.00	\$32.00	\$28.00

HOW TO PURCHASE

Contact Autumn Bowles at abowles@ntma.org to place your order or visit www.ntma.org/education for more information.