

MACHINE TOOL TECHNOLOGY

This is a guide to the Library's collection in Machine Tool Technology. It is not comprehensive, but rather provides a good starting point for research. From these sources, you may be able to locate other related works. Please don't hesitate to ask a librarian if you need further assistance.

Subject Headings:

Automatic Machine Tools	Machine Tools	Machining
Manufacturing Processes Tools	Metal-Working Machinery Transfer Machines	Numerical Control

Call Numbers For Browsing:

TJ 1125-1345	Machine Shops and Machine Shop Practices
TS 155-194	Production Management
TS 200-770	Metal Manufactures; Metalworking

Periodical Indexes:

Applied Science and Technology Index – Articles on scientific and technical topics such as aeronautics, applied mathematics, automotive engineering, chemical engineering, electrical and electronic engineering, geology, machinery, nuclear engineering, physics, robotics, textile industry, etc. Includes graphs, charts, diagrams, photographs, and illustrations. The content in this database is also part of OmniFile Mega.

General OneFile – General database that provides information on topics such as business, computers, social sciences, humanities, current events, health, politics, environmental issues, law, the arts, technology and science. Indexes and abstracts to over 10,000 titles from magazines, journals, newswires and newspapers, and more than 5,810 are full-text.

SIRS – Includes articles and graphics on social, scientific, economic, health, historic, business, political, global issues, music, art, film, literature, architecture, performing arts, religion, design, culture, philosophy, current and historic government documents, and information about the federal government, U.S. Justices, U.S. Presidents, and U.S. Supreme Court decisions. Also contains links to and summaries of selected, quality Internet Web pages from the United States and around the world.

Journals:

<i>American Machinist</i>	<i>Modern Machine Shop</i>	<i>Tooling and Production: T&P</i>
<i>Machine Design</i>	<i>Manufacturing Engineering</i>	<i>MSD: Motion System Design</i>
<i>Metal Forming</i>	<i>Modern Materials Handling</i>	<i>Quality Progress</i>

Reference Books:

Cubberly, W.H. *Comprehensive Dictionary of Measurement and Control*. 2nd ed. Research Triangle Park, NC: Instrument Society of America, 1991. [Ref] TS 156.8 .C62 1991

Drozda, Thomas J. and Charles Wick, eds. *Tool and Manufacturing Engineers Handbook: Machining*. 4th ed. Dearborn, MI: Society of Manufacturing Engineers, 1983. [Ref] TS 176 .T63 1983 v.1

Ramalingom, T. *Dictionary of Instrument Science*. New York: Wiley, 1982. [Ref] TS 156.8 .R35 1982

Simons, Eric. *Dictionary of Machining*. New York: Philosophical Library, 1972. [Ref] TJ 1125 .S58

Videos:

<i>Allen-Bradley 7320 CNC</i>	TJ1189 .A4
<i>Advances in CNC</i>	TJ1189 .A3 1989
<i>Casting</i>	TS 183 .F8664 1999
<i>Digital Control Techniques</i>	TJ 223 .M53 D5 1986
<i>Introduction to Hydraulics Technology</i>	TJ 840 .I55 2004 DVD
<i>Introduction to Lean Manufacturing</i>	TS 183.3 .M33 2000
<i>Measurement and Gaging</i>	TS 183 .F48 2000
<i>Plastic Injection Molding</i>	TS 183 .F8675 1998
<i>Precision Measuring Tools</i>	TJ 1313 .P743 1991 (6 Tapes)
<i>Punch Presses</i>	TJ 1255 .P84 1997
<i>Reading Blueprints</i>	T 379 .R4 1982 (10 Tapes)
<i>Reading Schematics and Symbols</i>	T8 .R4 (10 Tapes)
<i>Robotics Technology</i>	TJ 211 .R6 1987
<i>Virtual Manufacturing</i>	TS183 .V57 1995

E-Books (Available Via NetLibrary):

Audel Automatic Machines and Toolmaking
Fundamentals of Machining and Machine Tools

Additionally, you may find the **Knovel Books Online** useful. These electronic books are available in full-text through the Library's homepage.

Internet Sites:

National Tooling and Machining Association	http://www.ntma.org
Machining Technology Association of SME	http://www.sme.org
Magazine of Screw Machine Technology	http://www.production-machining.com
Machine Tools Online	http://www.machinetoolsonline.com
Plastics Molding and Fabricating Online Magazine	www.plasticsmachining.com/magazine
Machine Tools – Forums, Job Ads, Etc.	http://www.machinetools.com