

CNC TRAINING

**NEW! FANUC Certified
Education CNC Training!
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Find more information on our web site!

This catalog does little more than list our products. If you want more information, visit www.cncci.com to learn more about each product.

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44 Little Cahill Road, Cary, IL 60013
ph:847-639-8847 www.cncci.com

Thank You For Your Interest In Our Products And Services.

We've been supplying CNC training products since 1989 to companies and schools. Our goal has always been to make learning CNC as simple and enjoyable as possible.

We've had thousands of students complete our training programs – from students that need a quick refresher to those that are learning about CNC from scratch. Our training-related products include:

- Pre-packaged and self-paced training materials include on-line classes, CD-Rom courses, and self-study manuals.
- CNC curriculums help instructors teach live CNC classes. They provide everything needed right out of the box – lesson plans, outlines, slide shows, and instructions for teaching.
- On-line content for instructors precisely parallels our CNC curriculums. The supplement, and can even replace, face-to-face lectures.

We've expanded to include products that help CNC users.

- Software product for tool path plotting and estimating cycle time.
- A unique spread-sheet program to help with fixture offset settings when rotary devices are used.
- For lathe people, we can provide a tool to streamline the task of mounting jaws on three-jaw chucks.
- **NEW!** FANUC Certified Education CNC Training materials.

Again, thank you for your interest in our products. We look forward to serving you.

Need more information about a product in this catalog?

Visit our website:

www.cncci.com

Click the black tab at the top of the page labeled:

PRODUCTS

You'll see a complete list of our products. Each product is easily accessible from our products page. A link for each product will provide you with much more information than is shown in this catalog.

If you still have questions, feel free to call us at any time (847-639-8847).

About CNC Concepts, Inc.



We are among the premier training suppliers for computer numerical control (CNC) in the industry. Mike Lynch is founder and president. He is recognized throughout the US for his expertise in computer numerical controlled manufacturing.

Considered an expert in CNC manufacturing for metal cutting operations, Mr. Lynch has written extensively about CNC. He is author of five CNC textbooks, including those included in this catalog. His column *CNC Tech Talk* appears monthly in *Modern Machine Shop Magazine*. He has been extensively published by other manufacturing-related trade journals on CNC topics.

Mr. Lynch has spoken extensively about CNC. As a regular instructor for the Society of Manufacturing Engineers, he has conducted CNC seminars for basic CNC usage as well as more advanced CNC topics. He has also spoken for other national organizations including *Modern Machine Shop Magazine*, the Machine Distributors National Association (MDNA), The National Center For Tooling, and several manufacturing technology centers. In addition to teaching public seminars and clinics, he has presented numerous in-plant courses for progressive CNC-using companies including small companies as well as companies in the Fortune 500 Group.



FANUC Certified Education CNC Training Materials

CNC Concepts, Inc. is the approved curriculum provider for FANUC Certified Education CNC Training. This is the FANUC America approved curriculum, developed jointly with FANUC America, and available to individuals and industry. Materials include on-line classes, CD-Rom Courses, and self-study manuals.

Learn to use the most popular control in the industry, including: 0i-D, 30i-B, 31i-A, 31i-B.

[For more detailed information, visit our web site.
\(www.cncci.com\)](http://www.cncci.com)

FANUC Certified Education On-Line CNC Classes

Machining Center Programming, Setup, & Operation On-Line Class

Master the use of FANUC-controlled machining centers!

This on-line course will help you master what it takes to program, setup, and run a FANUC-controlled CNC machining center. We begin in a basic manner - assuming you have no previous CNC experience. We do, however, assume you understand basic machining practices as they apply to machining centers. You must understand milling and hole-machining operations and the cutting tools that perform them.

While we begin in a basic manner, we will continue to build upon previously presented information. By the time you're finished, you'll know what it takes to utilize a machining center, and you will have worked on eleven practice programs.

- 10 key concepts
- 24 tutorial lessons and exercises



Product code:	Description:	Price:
OLC-FCTMCPO	Machining Center On-Line Class	\$349;00

Turning Center Programming, Setup, & Operation On-Line Class

Master the use of FANUC-controlled turning centers!

This on-line course will help you master what it takes to program, setup, and run a FANUC-controlled CNC turning center. We begin in a basic manner - assuming you have no previous CNC experience. We do, however, assume you understand basic machining practices as they apply to turning centers. You must understand machining operations like rough and finish turning and boring, rough and finish facing, drilling, threading and necking, as well as the cutting tools that perform these operations.

While we begin in a basic manner, we will continue to build upon previously presented information. By the time you're finished, you'll know what it takes to utilize a turning center, and you will have worked on twelve practice programs.

- 10 key concepts
- 28 tutorial lessons and exercises



Product code:	Description:	Price:
OLC-FCTTCPO	Turning Center On-Line Class	\$349;00

CD-Rom Courses

Machining Center Programming, Setup, & Operation CD-Rom Course

Master the use of FANUC-controlled machining centers!

This CD-Rom course will help you master what it takes to program, setup, and run a FANUC-controlled CNC machining center. We begin in a basic manner - assuming you have no previous CNC experience. We do, however, assume you understand basic machining practices as they apply to machining centers. You must understand milling and hole-machining operations and the cutting tools that perform them. While we begin in a basic manner, we will continue to build upon previously presented information. By the time you're finished, you'll know what it takes to utilize a machining center, and you will have worked on eleven practice programs.

- 10 key concepts
- 24 tutorial lessons and exercises

Product code:	Description:	Price:
CDR-FCTMCPO	Machining Center CD-Rom Course	\$379;00
CDR-FCTMCPO-D	Disc only	\$199.00



Set includes 6-hour CD-Rom disc, manual, workbook, and answer book

Turning Center Programming, Setup, & Operation CD-Rom Course



Set includes 6-hour CD-Rom disc, manual, workbook, and answer book

Master the use of FANUC-controlled turning centers!

This on-line course will help you master what it takes to program, setup, and run a FANUC-controlled CNC turning center. We begin in a basic manner - assuming you have no previous CNC experience. We do, however, assume you understand basic machining practices as they apply to turning centers. You must understand machining operations like rough and finish turning and boring, rough and finish facing, drilling, threading and necking, as well as the cutting tools that perform these operations.

While we begin in a basic manner, we will continue to build upon previously presented information. By the time you're finished, you'll know what it takes to utilize a turning center, and you will have worked on twelve practice programs.

- 10 key concepts
- 28 tutorial lessons and exercises

Product code:	Description:	Price:
CDR-FCTTCPO	Turning Center CD-Rom Course	\$379;00
CDR-FCTTCPO-D	Disc only	\$199.00

Machining Center Programming, Setup, & Operation Self-Study Manuals

Master the use of FANUC-controlled machining centers!

If you want to learn safe, proven, and accepted methods for programming and operating CNC machining centers, you can't afford to miss this Key Concepts approach to learning how to apply CNC machining centers in manufacturing. The content utilizes this unique approach to introduce you to the method of programming and operation that can be applied to horizontal and vertical machining centers.

This essential 24-lesson tutorial offers step-by-step coverage of the most popular CNC equipment in a way that anyone can understand. We do assume the student possesses knowledge of basic machining practices. Whether you already work for a manufacturing company that uses CNC machining centers, or if you are trying to learn about CNC, this study manual will provide you with the skills you need to ensure correct operation of CNC machine tools.

- 10 key concepts
- 24 tutorial lessons and exercises

Product code:	Description:	Price:
CC-FCTMCPO-M	Machining Center Self Study Manual	\$120.00
CC-FCTMCPO-W	Machining Center Workbook	\$34.95
CC-FCTMCPO-A	Machining Center Answer Book	\$34.95
CC-FCTMCPO-MWA	Combination	\$179.00



Turning Center Programming, Setup, & Operation Self-Study-Manuals

Master the use of FANUC-controlled turning centers!

If you want to learn safe, proven, and accepted methods for programming and operating CNC turning centers, you can't afford to miss this Key Concepts approach to learning how to apply CNC turning centers in manufacturing. The content utilizes this unique approach to introduce you to the method of programming and operation that can be applied to horizontal and vertical machining centers.

This essential 28-lesson tutorial offers step-by-step coverage of the most popular CNC equipment in a way that anyone can understand. We do assume the student possesses knowledge of basic machining practices. Whether you already work for a manufacturing company that uses CNC turning centers, or if you are trying to learn about CNC, this study manual will provide you with the skills you need to ensure correct operation of CNC machine tools.

- 10 key concepts
- 28 tutorial lessons and exercises

Product code:	Description:	Price:
CC-FCTTCPO-M	Turning Center Self Study Manual	\$120.00
CC-FCTTCPO-W	Turning Center Workbook	\$34.95
CC-FCTTCPO-A	Turning Center Answer Book	\$34.95
CC-FCTTCPO-MWA	Combination (all three)	\$179.00



No other media offers the interaction of computer based training!



This series of self-study courses is our most popular for companies needing to train several people. One course can be used – over and over again. Yet these courses are also affordable enough that an individual can purchase them.

Navigating each course is easy. We use a series of narrated PowerPoint presentations along with written materials to get our points across (PowerPoint viewer is included).

Click on a topic and see & hear information about the topic. Read the corresponding portion of the manual. When you're finished viewing and reading all topics related to a lesson, do an exercise and check your answers. Then - on to the next lesson!

Additional materials (manuals, workbooks, answer books, and discs) can be purchased separately to make it easy to train several people.

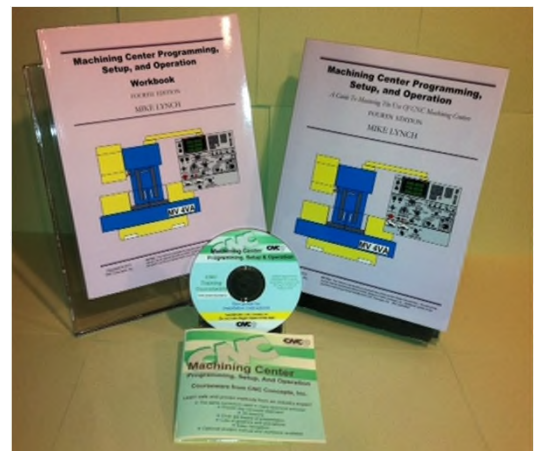
Machining Center Programming, Setup, & Operation

Learn the most popular type of CNC metal cutting machine!

Three-axis vertical machining centers are discussed in detail. The student manual provides information for horizontal machining centers and rotary devices. Currently accepted usage techniques are stressed. Heavy emphasis is placed on safe, yet efficient utilization. We assume students have an understanding of machining practices prior to beginning the course. We assume nothing about their prior understanding of CNC.

- 10 key concepts
- 24 tutorial lessons and exercises

Product code:	Description:	Price:
CDR-MCPO	Machining Center CD-Rom Course	\$249.00
CC-MCPO-M	Additional Manual	\$70.00
CC-MCPO-W	Additional Workbook	\$24.95
CC-MCPO-A	Additional Answer Book	\$24.95
CDR-MCPO-D	Courseware (CD-Rom disc) Only	\$149.00



Set includes 6-hour CD-Rom disc, manual, workbook, and answer book

Turning Center Programming, Setup, & Operation



Set includes 6-hour CD-Rom disc, manual, workbook, and answer book

Master the use of CNC lathes!

Two-axis stationary headstock turning centers are discussed in detail. The student manual provides information for other turning center types & special accessories. Currently accepted usage techniques are stressed. Heavy emphasis is placed on safe, yet efficient utilization. We assume students have an elementary understanding of machining practices prior to beginning the course. But we assume nothing about their prior understanding of CNC.

- 10 key concepts
- 28 tutorial lessons and exercises

Product code:	Description:	Price:
CDR-TCPO	Turning Center CD-Rom Course	\$249.00
CC-TCPO-M	Additional Manual	\$70.00
CC-TCPO-W	Additional Workbook	\$24.95
CC-TCPO-A	Additional Answer Book	\$24.95
CDR-TCPO-D	Courseware (CD-Rom disc) Only	\$149.00

CD-Rom Courses

Machining Center Setup & Operation



Set includes 4-hour CD-Rom disc and manual (exercises and answers included in manual)

Learn how to setup and run CNC machining centers!

By sheer numbers alone, a company's CNC environment is populated most with operators and setup people. In most companies, there are many more setup people and operators than there are programmers. For this reason, even entry-level people can acquire positions in CNC-using companies.

This course assumes students have little or no previous shop experience – and includes lessons on topics like shop safety, shop math, blueprint reading, tolerance interpretation, gauging tools, machining operations, and cutting tools. After building this foundation, we then describe the various tasks required to setup and run CNC machining centers.

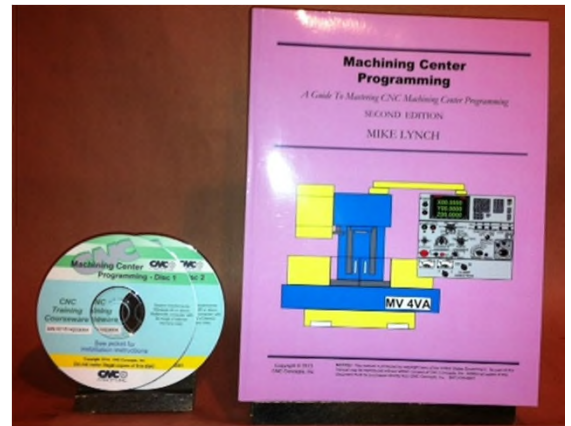
Product code:	Description:	Price:
CDR-MCSO	Machining Center Setup & Oper. CD-Rom Course	\$159.00
CC-MCSO-M	Additional Manual	\$60.00
CDR-MCSO-D	Courseware (CD-Rom disc) only	\$99.00

Machining Center Programming

After learning setup and operation, learn programming!

CNC machining centers are very popular in manufacturing companies. Just about every company that performs metal-cutting operations has at least one. Since they are so popular, people beginning their CNC careers are often exposed to machining centers first. This makes learning about them an excellent first choice for people beginning their careers in CNC.

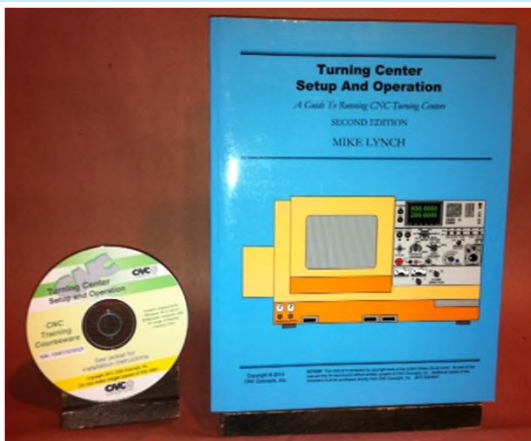
This course is intended for people who have completed our Machining Center Setup and Operation CD-rom Course, for people who already have setup and operation experience, and for people who simply want to learn G-code level, manual programming alone.



Set includes 4 hours on 2 CD-Rom discs and manual (exercises and answers in manual)

Product code:	Description:	Price:
CDR-MCP	Machining Center Programming CD-Rom Course	\$159.00
CC-MCP-M	Additional Manual	\$60.00
CDR-MCP-D	Courseware (CD-Rom disc) only	\$99.00

Turning Center Setup & Operation



Set includes 4-hour CD-Rom disc and manual (exercises and answers included in manual)

Learn how to setup and run CNC turning centers!

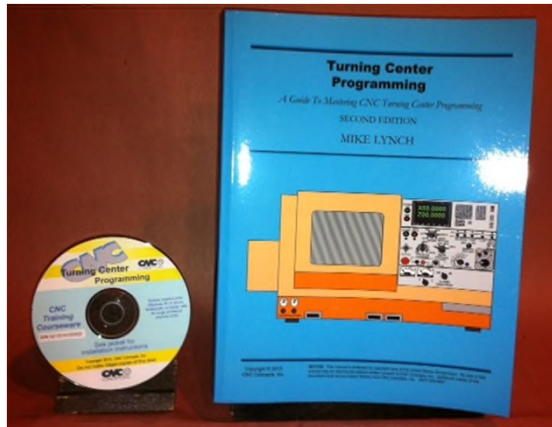
By sheer numbers alone, a company's CNC environment is populated most with operators and setup people. A company having ten CNCs may have but one programmer - but they'll likely have several setup people, and as many as fifteen to thirty operators (depending upon the number of shifts they run).

For this reason, companies have the most trouble finding, hiring, and keeping people to setup and run their CNC machines. If you're a person who's looking to get into the field of CNC, this course makes a great place to start. If you're an employer who needs to quickly bring newcomers up to speed, this course will jump-start your in-plant training program. Students will learn what is involved with setting up and running CNC turning centers.

Product code:	Description:	Price:
CDR-TCSO	Turning Center Programming CD-Rom Course	\$159.00
CC-TCSO-M	Additional Manual	\$60.00
CDR-TCSO-D	Courseware (CD-Rom disc) only	\$99.00

CD-Rom Courses

Turning Center Programming



Set includes 4-hour CD-Rom disc and manual (exercises and answers included in manual)

After learning setup and operation, learn programming!

By sheer numbers alone, a company's CNC environment is populated most with operators and setup people. In most companies, there are many more setup people and operators than there are programmers. For this reason, even entry-level people can acquire positions in CNC-using companies.

This course assumes students have little or no previous shop experience – and includes lessons on topics like shop safety, shop math, blueprint reading, tolerance interpretation, gauging tools, machining operations, and cutting tools. After building this foundation, we then describe the various tasks required to setup and run CNC machining centers.

Product code:	Description:	Price:
CDR-TCP	Turning Center Programming CD-Rom Course	\$149.00
CC-TCP-M	Additional Manual	\$60.00
CDR-TCP-D	Courseware (CD-Rom disc) only	\$99.00

Advanced Techniques With Basic CNC Features

Go beyond the basics!

In this course, we'll fill in many blanks for self-taught people. Since the easiest way to handle a problem is seldom the most efficient, we'll show many alternative uses for basic CNC features. Anything that is not commonly addressed in basic CNC courses fair game for this comprehensive course.

People with from six months to one year of experience will get the most out of this course. But even people with many years of experience may be surprised at how many techniques they are not familiar with.

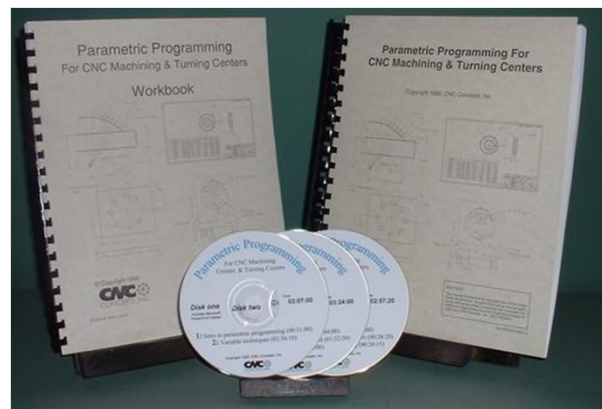
We focus on the two most popular forms of CNC machine tools, CNC machining centers and CNC turning centers – and we show examples for the most popular control in the industry (Fanuc). A 122 page manual is provided on the CD-rom disk in Adobe Acrobat (PDF) format.



Product code:	Description:	Price:
CDR-ADT	Advanced Techniques CD-Rom Course	\$189.00

Included 4-hour disc only
Written materials are provided in .pdf format

Parametric Programming For CNC Machining Centers And Turning Centers



Set includes 3 CD-Rom discs totaling 9.5 hours, manual, workbook, and answer book

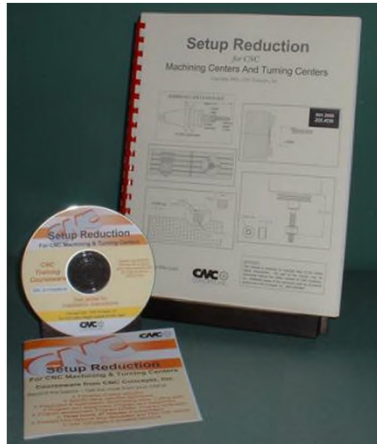
Learn the best kept secret of CNC!

While more and more people are becoming familiar with this powerful programming tool, there are still many in the industry that don't even know what it is, let alone how to take advantage of its many features. At the very least, all CNC people should know what parametric programming can do – just in case they have a good application.

In this comprehensive course, you'll learn what parametric programming is, it's five application categories, its features, and how to apply it to the two most popular CNC machine types.

Product code:	Description:	Price:
CDR-PP	Parametric Programming CD-Rom Course	\$399.00
CC-PP-M	Additional Manual	\$60.00
CC-PP-W	Additional Workbook	\$19.95
CC-PP-A	Additional Answer Book	\$19.95

Setup Reduction For CNC Machining Centers And Turning Centers



Set includes 4-hour CD-Rom disc and manual

Get more from your CNC machines!

During any CNC machine's usage, there are really only two activities. Either machines are in setup or they are running production. Setup time is the total time the machine is down between production runs. Anything you can do to reduce setup time will improve the productivity of your CNC machines.

We begin by presenting some basic premises that will help you understand how to improve machine utilization. We then present principles of setup reduction. Finally, we show countless specific techniques you can apply to reduce setup time in the approximate order that setups are made – from preparation to make setups through first workpiece inspection!

Product code:	Description:	Price:
CDR-STR	Setup Time Reduction CD-Rom Course	\$239.00
CC-STR-M	Additional Manual	\$50.00
CDR-STR-D	Courseware (CD-Rom disc) Only	\$189.00
CDR-CTR-STR	Combo With Cycle Time Reduction Course	\$399.00

Cycle Time Reduction For CNC Machining Centers And Turning Centers

Minimize the time it takes to complete a production run!

During any CNC machine's usage, there are really only two activities. Either machines are in setup or they are running production. Cycle time is the time it takes to complete a production run divided by the number of good workpieces produced.

We begin by presenting basic premises that will help you understand how to improve machine utilization. We then present principles of cycle time reduction. Finally, we show countless specific techniques you can apply to reduce cycle time in the approximate order that production runs are completed.

Product code:	Description:	Price:
CDR-CTR	Machining Center CD-Rom Course	\$239.00
CC-CTR-M	Additional Manual	\$50.00
CDR-CTR-D	Courseware (CD-Rom disc) Only	\$189.00
CDR-CTR-STR	Combo with Setup Reduction Course	\$399.00



Set includes 6-hour CD-Rom disc and manual

CNC Router Programming And Operation



Set includes three CD-Rom discs totaling 12.5 hours, manual, workbook, and answer book

Learn woodworking CNC machines!

This course is presented using our proven *key concepts approach*, which allows us to stress the reasons *why* things are done as importantly as *how* they're done.

Our primary goal is to help students become proficient with CNC routers and woodworking machining centers in three important areas: programming, setup, and operation. We've even made the setup and operation portion of the course in a self-contained manner, since we assume some students will only be interested in running (not necessarily programming) this equipment.

Product code:	Description:	Price:
CDR-RPO	Turning Center CD-Rom Course	\$349.00
CC-RPO-M	Additional Manual	\$60.00
CC-RPO-W	Additional Workbook	\$19.95
CC-RPO-A	Additional Answer Book	\$19.95



Even if your CNC equipment seems to be running smoothly, you should be on the constant lookout for ways to improve your CNC environment.

- Much more information is provided on our website: www.cncci.com
- All but Mastering CNC Lathe Setup are authored by Mike Lynch

Machining Center Setup And Operation

- First edition, soft bound, 284 pages
- Includes basic machining practices (shop safety, shop math, blueprint reading, tolerance interpretation, etc.)
- Exercises and answers included

Product code:	Price:
CC-MCSO-M	\$60.00



Machining Center Programming

- Follow-up manual to Machining Center Setup and Operation
- First edition, soft bound, 360 pages
- Exercises, programming activities and answers included

Product code:	Price:
CC-MCP-M	\$60.00



Turning Center Setup And Operation

- First edition, soft bound, 312 pages
- Includes basic machining practices (shop safety, shop math, blueprint reading, tolerance interpretation, etc.)
- Exercises and answers included

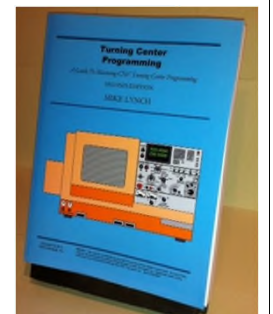
Product code:	Price:
CC-MCSO-M	\$60.00



Turning Center Programming

- Follow-up manual to Turning Center Setup and Operation
- First edition, soft bound, 392 pages
- Exercises, programming activities and answers included

Product code:	Price:
CC-MCP-M	\$60.00



Machining Center Programming, Setup, And Operation

Prerequisite required: Experience in machining practices

- Third edition, soft bound, 358 pages
- Workbook/answer book available

Product code:	Price:
CC-MCPO-M	\$70.00
CC-MCPO-WA	\$49.90



Turning Center Programming, Setup, And Operation

Prerequisite required: Experience in machining practices

- Third edition, soft bound, 420 pages
- Workbook/answer book available

Product code:	Price:
CC-TCPO-M	\$70.00
CC-TCPO-WA	\$49.90

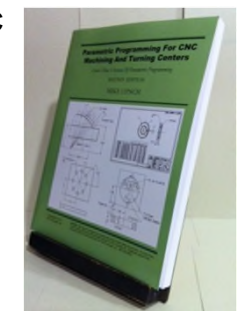


Parametric Programming for CNC Machining & Turning Centers

Prerequisite required: Understanding of manual (G code) programming

- First edition, soft bound, 240 pages
- Workbook/answer book available

Product code:	Price:
CC-PP-M	\$60.00
CC-PP-WA	\$39.90



Programming And Operating CNC Routers

- First edition, soft bound, 300 pages
- Workbook/answer book available

Product code:	Price:
CC-RPO-M	\$60.00
CC-RPO-WA	\$39.90



Parametric Programming for CNC Machine Tools and Touch Probes

- Published by SME, soft bound
- 433 pages
- Includes information for CNC machines and touch probes

Product code: BP-PP
Price: \$95.00



eBooks For Basic Machining Practices

- Downloadable from our web site shopping cart
- In Adobe Acrobat (.pdf) format – not printable
- \$29.00 each

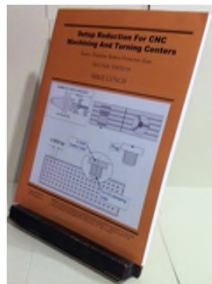
Product code:	Description:
EB-MOPOMC-D	Machining Operations: Machining Centers
EB-MOPOTC-D	Machining Operations: Turning Centers
EB-SMFCNC-D	Shop Math For CNC

Setup Reduction For CNC

Shorten time between production runs!

- First edition
- Soft bound
- 135 pages

Product code: CC-STR-M
Price: \$50.00

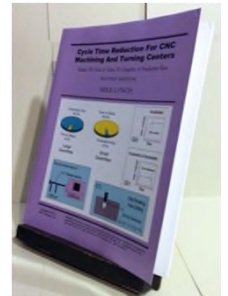


Cycle Time Reduction For CNC

Shorten production running time!

- First edition
- Soft bound
- 145 pages

Product code: CC-CTR-M
Price: \$50.00



Machining Center Operator's Guide

Learn to run a CNC machining center

- First edition
- Soft bound
- 170 pages

Product code: CC-MCOG-M
Price: \$29.00



Turning Center Operator's Guide

Learn to run a CNC turning center

- First edition
- Soft bound
- 230 pages

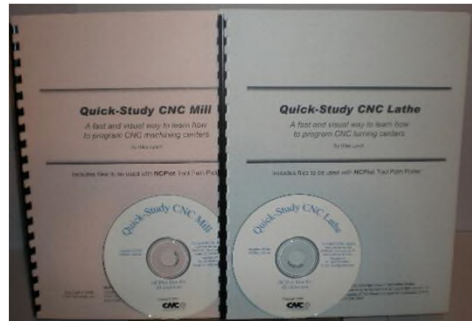
Product code: CC-TCOG-M
Price: \$29.00



Quick-Study CNC Mill

- First edition, soft bound, 24 pages
- Includes 30-day NCPlot license to test programs
- CD-Rom with NCPlot and test programs

Product code: QSG-M
Price: \$79.00



Quick-Study CNC Lathe

- First edition, soft bound, 24 pages
- Includes 30-day NCPlot license to test programs
- CD-Rom with NCPlot and test programs

Product code: QSG-L
Price: \$79.00



Learn CNC On-Line!

- All classes taught by industry-expert Mike Lynch
- On-going and self-paced – start any time and work 24/7
- Certificate of completion is awarded upon successful completion (minimum score of 70%)
- Letter of recommendation provided to students scoring over 85%
- Setup and operation classes stress basic machine usage
- Programming classes stress manual (G code) programming
- Parametric programming class stresses custom macro B
- Advanced techniques class stresses techniques not commonly shown in basic classes
- Getting more class includes lessons for machine & personnel utilization, setup reduction, and cycle time reduction

Lesson activities include

- View lesson slide presentation
- Read lesson text
- Practice in the lesson text
- Do exercises and programming activities
- Submit exercises and programming activities
- Ask questions if you need help

Much more information about our on-line classes is available at www.cncci.com!

Classes available:

Product code:	Description:	Price:
OLC-MCSO	Machining Center Setup And Operation	\$139.00
OLC-MCP	Machining Center Programming	\$169.00
OLC-MCPO	Machining Center Programming, Setup, And Operation	\$279.00
OLC-TCSO	Turning Center Setup And Operation	\$139.00
OLC-TCP	Turning Center Programming	\$169.00
OLC-TCPO	Turning Center Programming, Setup, And Operation	\$279.00
OLC-PP	Parametric Programming For CNC Machines	\$179.00
OLC-ADTEC	Advanced Techniques With Basic CNC Features	\$179.00
OLC-GM	Getting More From Your CNC Machines	\$179.00

Instructor's Curriculums and On-Line Content

Please visit our website to view detailed information about our curriculums and on-line content.

Curriculums: <http://cncci.com/products/curriculums.htm>

On-line content: <http://cncci.com/products/on%20line%20content.htm>

Curriculums available

*If students **have no** previous shop experience:*

- Machining Center Setup and Operation
- Machining center programming (follow-up to Machining Center Setup and Operation curriculum)
- Turning Center Setup and Operation
- Turning Center Programming (follow up to Turning Center Setup and Operation)

*If students **do have** previous shop experience:*

- Machining Center Programming, Setup, and Operation
- Turning Center Programming, Setup, and Operation

Advanced topics:

- Parametric Programming for CNC Machines
- Getting More From Your CNC Machines (includes setup and cycle time reduction)

Instructor materials for all curriculums are included on two CD-Rom discs. Written materials are provided as Adobe Acrobat (.pdf) files that can be printed. Instructor material for most curriculums include:

- Getting Started manual
- Lesson Plans manual
- PowerPoint slide presentations
- Answers to exercises

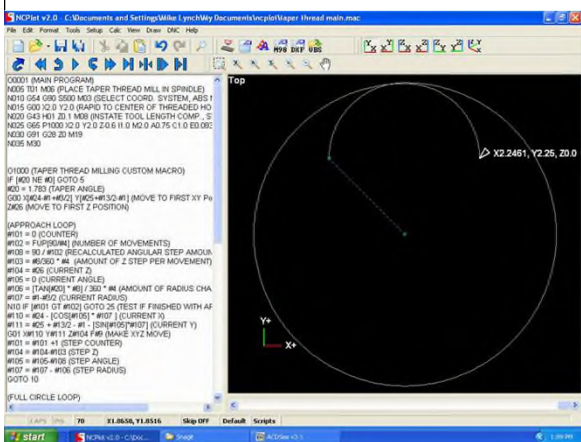
Student materials include (purchased by your school's bookstore):

- Student manual
- Workbook (not required for some curriculums)

Instructors: Request comp copies!

If you have an interest in using our curriculums, contact us to request instructor materials and a student manual for one of our curriculums. (School shipping address is required for complimentary materials.)

NCPlot



Text editor is on left and view-port is on the right

Tool path plotter and SO much more (downloadable)!

Don't think of NCPlot as just a tool path plotter. This outstanding program provides all the resources you need to develop and verify G code programs from scratch.

- Work with new or existing programs.
- Modify programs with our full-featured text editor.
- Convert custom macros into G code programs.
- Convert DXF files into G code programs.
- Plot CNC and **custom macro B** programs.
- Create G code for engraving text.
- Transfer programs to CNC machines.
- Fully functional (time limited) demo available on line (www.cncci.com)

Product code:	Description:	Price:
SW-NCPD	NCPlot Single License	\$299.00
SW-NCPA	NCPlot Additional License	\$150.00
SW-NCPS	NCPlot Student License	\$99.00

ME Consultant Pro



Machining calculator and job planner

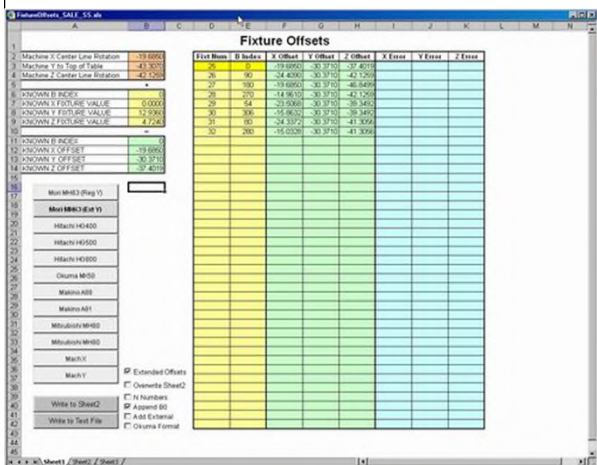
Time and cost estimating made easy!

Our goal is to get you answers to your planning and machining questions as quickly and accurately as possible -- with a minimum amount of input from you. Enter data for each machining operation in the Machining Calculator. You'll instantly see time and horsepower results. Add the operation in Job Planner and move on to the next operation. ME PRO tracks each operation, totaling the time required to complete the job. It's that simple!

- Easy entry and instant response
- Integrated material files for speeds and feeds
- Supports most common machining center (mill/drill type) operations
- Fully functional (time limited) demo available on line (www.cncci.com)
- Planning wizards for common cutting tools minimize entries

Product code:	Description:	Price:
SW-MEPZD	ME PRO Single License	\$150.00
SW-MEPA	ME PRO Additional License	\$75.00

Fixture Offset Calculator



Excel spreadsheet file

Calculate fixture offset values and generate G10 commands!

If you have a machining center with a rotary device, and if your programs work on several sides of a workpiece (or workpieces), you know how difficult it can be to determine program zero assignment values. You must either calculate them while programming (assuming qualified and predictable fixtures) or your setup person must measure and enter them at the machine during setup.

Both methods are time consuming and error-prone. And of course, multiple measurements made at the machine are especially wasteful. (Consider measuring values for 10 fixture offsets - thirty values must be measured!)

Fixture offset calculator dramatically simplifies the task! Just specify the program zero location for one side – and fixture offset calculator will do the rest.

Product code:	Description:	Price:
SW-FOCD	Fixture Offset Calculator Single License	\$100.00
SW-MEPA	Fixture Offset Calculator Additional License	\$50.00

Laser Jaw Setter



Minimize jaw mounting time on turning centers with 3-jaw chucks!

Most three-jaw chucks used on turning centers have a series of fine serrations on master jaws. Top tooling that must be properly aligned when top tooling is mounted to the chuck. It can be difficult - if not impossible - to determine the exact diameter at which each jaw is being placed in the chuck.

In addition, the fine serrations of the master jaw and top tooling make it very difficult to align *all three* jaws in the same serrations. Most setup people count the number of serrations on the master jaw in order to get each jaw into the correct serration. But time-consuming mistakes are often made.

This helpful device simplifies the task. Just mount it to the turret on a magnetic-base (not included) and point the laser at the diameter into which you want to place jaws.

Product code:	Description:	Price:
ICNCU-LJS	Laser Jaw Setter	\$250.00

Mounts to turret to target master-jaw serrations



Ordering information

We try to make it as easy as possible to order our products. Here are the various payment alternatives. Please call with any questions you may have (847-639-8847).

Credit cards

The fastest and easiest method of ordering is to pay by credit card (American Express, Visa or Master-card). You can either call in your order or you can send/fax in your order including your credit card information.

CNC CONCEPTS, INC. ORDER FORM:

Company name:				
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(Credit card orders only) AmEX, Visa, or MasterCard?				
Card number:			Expiration date:	
Qty:	Item #:	Description:	Unit Price:	Total Price:

Shipping charges

Individual books: \$11.00
 Single CD-rom course: \$12.00
 Laser Jaw Setter: 10.00

FedEx Ground service (5-7 days). Applies to 48 contiguous states. For faster delivery, or if you have questions about combination orders, please call for special shipping and handling charges (847 639-8847).

Sub-total:	
6.5% sales tax (IL only):	
Shipping & handling:	
\$8.00 charge (COD only):	
Total amount:	

Return to: CNC Concepts, 44 Little Cahill Road, Cary, IL 60013

Or fax to: 847-639-8857

www.cncci.com

Our web site contains detailed information about the products included in this catalog. Click the tab labeled **PRODUCTS** at the top of the page to find your product of interest.

But our site includes more than just product information. There's a wealth of free information related to CNC. If you haven't already, Check it out today!

▪ The Optional Stop newsletter

All most technical content, over 30 back issues are posted!

▪ CNC Tips and Q&A

Over 50 informative articles answering technical questions from our customers.

▪ Feature CNC Articles

Topics include *The Basics of CNC*, *What is Parametric Programming*, *CNC Proficiency tests*, and more!

▪ CNC Jobs

Listings include companies looking for people and people looking for jobs. Listings are FREE!

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Find a CNC-teaching school in your area!

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Find other CNC-related web sites containing informative information.