CADEM
effiCNC

NCyclopedia

Multimedia software for teaching CNC technology

CNC machining is all about motion, and impossible to learn or teach through text books and blackboard. There is no ready packaged teaching material, and there is a huge gap between what is taught and what is required in industry. NCyclopedia is a CNC training software that bridges this gap. It speeds up teaching, improves understanding and retention of topics.

What you can do with NCyclo

NCyclo Mill and NCyclo Turn enable you to teach or self-learn CNC machining technology in a highly effective manner through videos, animations, diagrams and explanations. They have content from real life machines, tools and machining situations manufacturing shop floors and machine tool builders. Videos and animations are designed specially for training. They cover the complete range of topics in CNC machining.

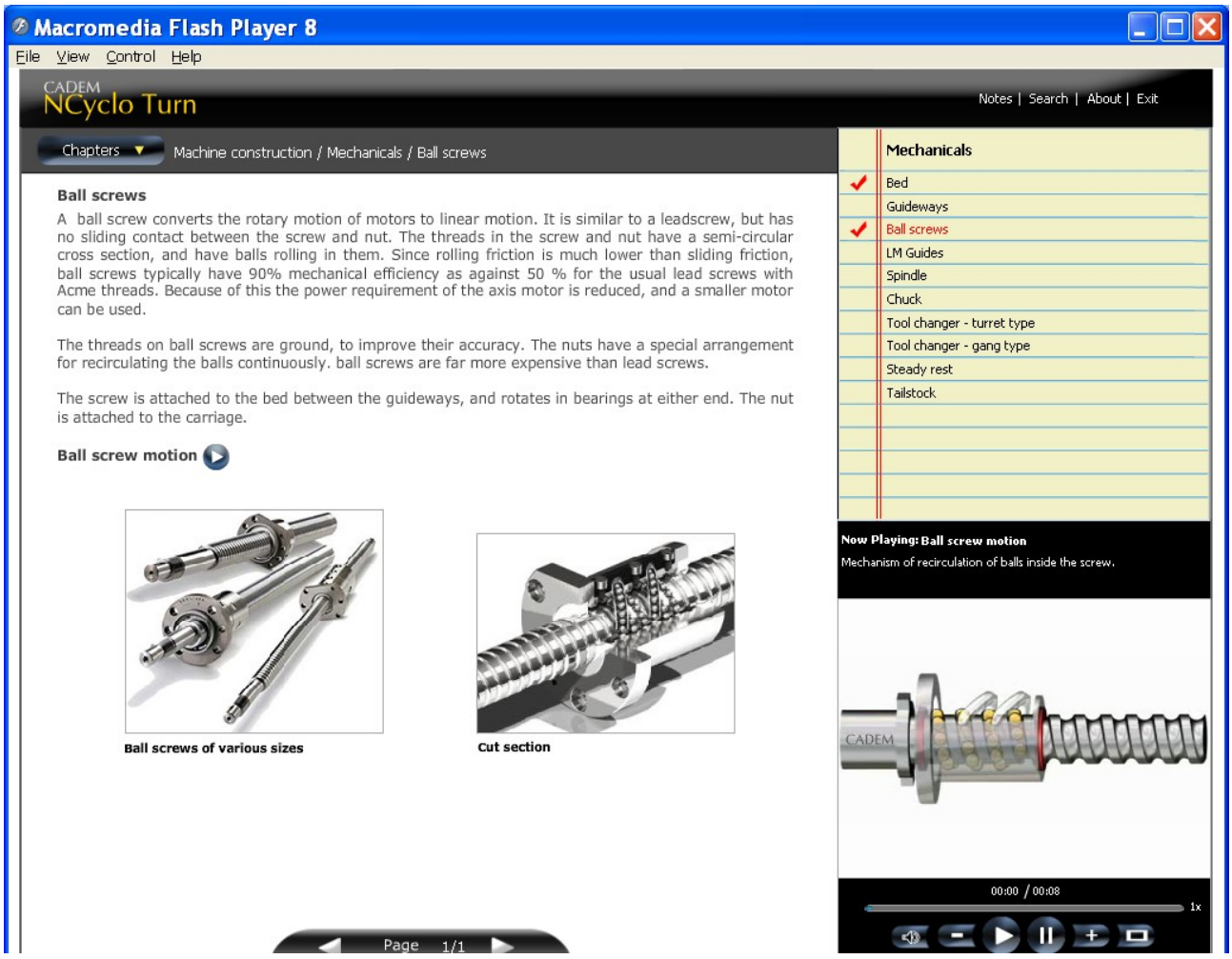
- Machine construction, Machining operations, Cutting tools
- Cutting parameters, Work holding, CNC programming

Who can benefit from NCyclopedia

NCyclopedia can be used as a powerful training tool by faculty in a classroom, or for self-learning. Designed for use by:

- Engineering colleges, Polytechnics, Industrial Training Institutes
- In-house training centers of manufacturing industries
- Owners of CNC machining job shops
- CNC machine builders, to train customers
- Cutting tool manufacturers, to train customers

Screen shots

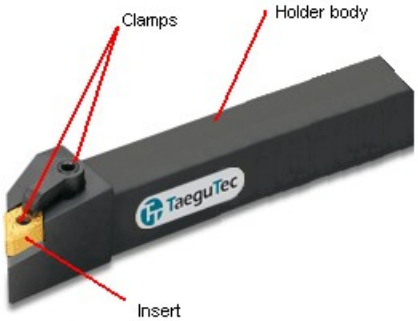


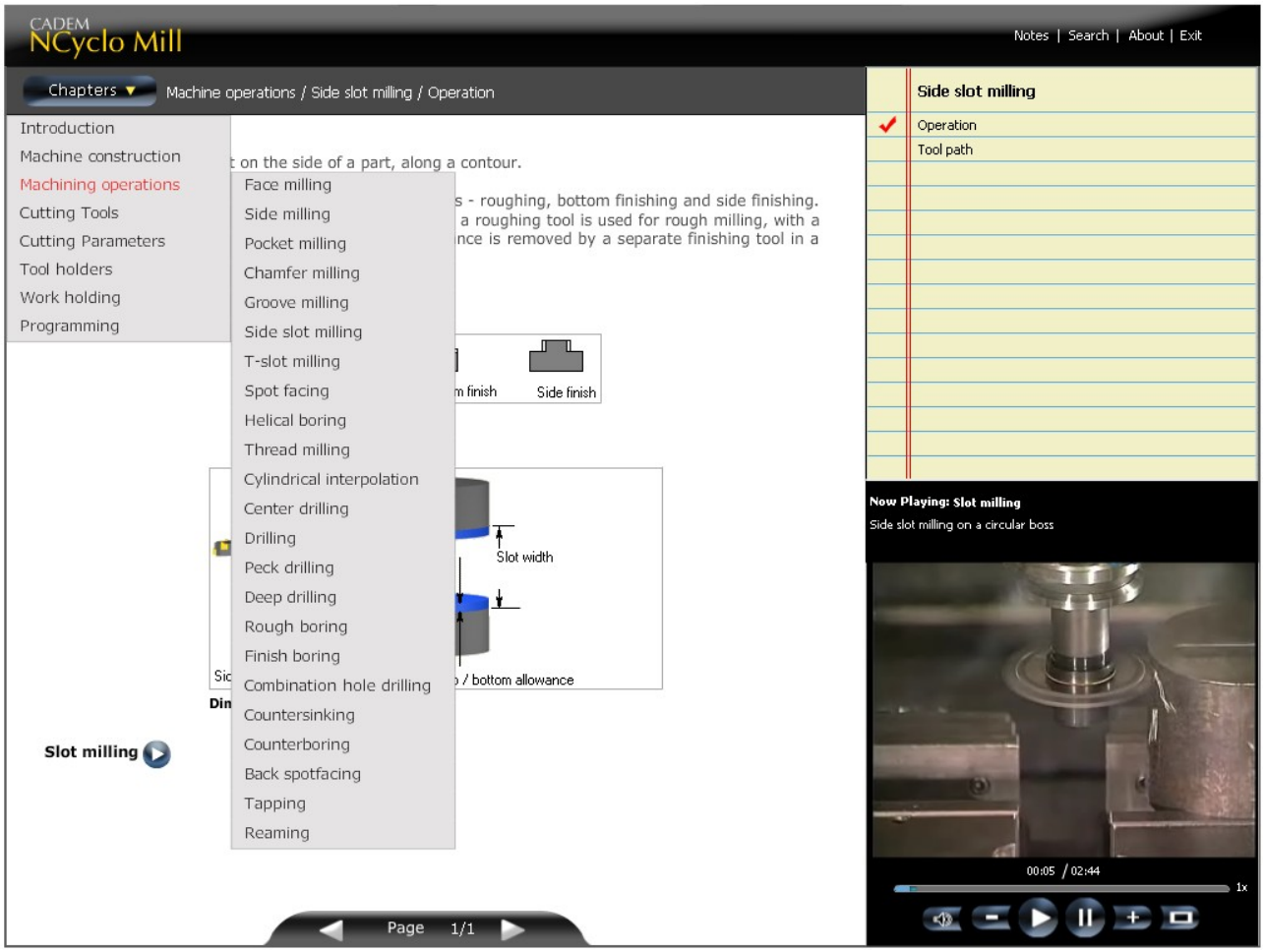
Lever clamping

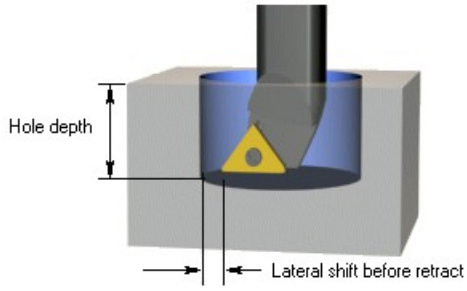
Top + lever clamping

Screw clamping

Top clamping




CADEM
NCyclo Mill
Notes | Search | About | Exit
Chapters
Machine operations / Side slot milling / Operation
Introduction
Machine construction
Machining operations
Cutting Tools
Cutting Parameters
Tool holders
Work holding
Programming
Face milling
Side milling
Pocket milling
Chamfer milling
Groove milling
Side slot milling
T-slot milling
Spot facing
Helical boring
Thread milling
Cylindrical interpolation
Center drilling
Drilling
Peck drilling
Deep drilling
Rough boring
Finish boring
Combination hole drilling
Countersinking
Counterboring
Back spotfacing
Tapping
Reaming
Side finish
Slot width
Slot milling
Page 1/1
Side slot milling
Operation
Tool path
Now Playing: Slot milling
Side slot milling on a circular boss
00:05 / 02:44
1x



Matches CNC education syllabi

NCyclo suits CNC training software requirement for ITI, CGSC NOS, Diploma and BE.

NCVT ITI

ITI syllabus for the trades Turner, Machinist, and Operator Advanced Machine Tool
NCyclo CNC training software matches the specification "Multimedia teachware / courseware for CNC technology".

CITS syllabus requirement for machining-related related trades
NCyclo CNC training software matches this CITS syllabus requirement "Multimedia teach ware/ courseware for CNC technology".

Together, CADEM Ncyclo, seeNC and doNC match the software specifications in the ITI syllabus for the trades Turner, Machinist, and Operator Advanced Machine Tool: "Multimedia teachware / courseware for CNC technology and interactive CNC part programming software for turning & milling with virtual machine operation and simulation using popular operation control system such as Fanuc, Siemens, etc."

CGSC NOS

NCyclo CNC training software suits the syllabus requirement for the following Qualification packs:

Operator – Vertical Machining Centre CSC/ Q 0116

CNC Operator Turning CSC/ Q 0115

CNC programmer CSC/ Q 0401

CNC Setter cum operator – Turning CSC/ Q 0120

CNC Setter cum Operator – Vertical Machining Centre –CSC/ Q0123