

Mastercam[®] EDUCATION



Students

+



Mastercam

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Jobs

THE FUTURE STARTS HERE



MILL



LATHE



MILL-TURN



WIRE



ROUTER



Mastercam for
SOLIDWORKS[®]



DESIGN



PREPARE YOUR STUDENTS TO SHAPE THE FUTURE OF MANUFACTURING



Education's #1 CAM
with more installations
than any other software*.



Dedicated to education
with **30+ years** of direct
service to educators.



Teach what gets jobs!
Mastercam is also #1 in
industrial CAM installations.



Technological leader
exposing students to tools
used in today's best shops.



One-stop solution
offering CAD, milling,
turning, wire EDM,
and more.



Free resources for teachers
and students include Home
Learning Edition and more.



Easy to teach
and easy to learn.



Open platform lets you
design in Mastercam or
open any other CAD format.

Mastercam skills are in greater demand than any other NC software.

Empower your students with the cutting-edge skills they need for a real
advantage in the job market. Your students deserve the best.

**SHAPE THE FUTURE.
TEACH WITH MASTERCAM.**

EDUCATIONAL SUITE

The Mastercam Educational Suite puts the world's
#1 CAM software* at your students' fingertips.



Mastercam Mill

Fully associative CAD/CAM for 2D and 3D machining. Delivers streamlined mill programming and toolpaths powered by our exclusive Dynamic Motion™ technology.



Mastercam® for SOLIDWORKS®

Fully integrated Gold Partner software that runs directly within SOLIDWORKS. Available for milling and turning.



Mastercam Lathe

Fast, easy, and precise CAD/CAM for turning. Provides fully associative toolpaths, solids-based toolpath verification, and Dynamic Motion strategies.



Mastercam Design

Powerful 3D solids and surface modeling CAD software designed for CAM programmers. Included in Mastercam Mill, Lathe, Router, and Wire. Also available separately.



Mastercam Wire

Streamlined CAD/CAM for wire EDM programming. Fully associative wirepaths for basic to advanced 2- and 4-axis work.



Mastercam ProDrill

Automatically detect, group, and apply drill strategies to large amounts of holes, and automatically create tool definitions from existing geometry.



Mastercam Router

Fully associative CAD/CAM software designed for routers. Complete 2D and 3D programming, block drilling, aggregate head support, and more.



Data Translators

Specialty data translators for Inventor, SOLIDWORKS, Pro/E (read only), and others ensure you can read and use the files you need.

Contact a local Mastercam expert at [Mastercam.com/Resellers](https://www.mastercam.com/Resellers).

SPECIALIZED MASTERCAM ADD-ONS

Every classroom and program is different. These products allow you to customize Mastercam to the unique requirements of your curriculum.



Mastercam Multiaxis

Easily program complex, multiaxis parts for higher productivity with custom options for blades, impellers, and port machining.



Mastercam Blade Expert

Highly efficient toolpaths for multibladed parts, delivering superior blades, splitters, floors, and fillets.



Mastercam Mill-Turn

Powerful solution that combines with Mastercam Mill and Mastercam Lathe for efficient multistream machining.



Mastercam Productivity+™

Bring Renishaw® in-process probing and inspection to your Mastercam programs. Easily set up, validate, and even make in-process adjustments where appropriate.



Mastercam Port Expert

Create engine cylinder head porting toolpaths on surface or solid data, while minimizing unnecessary motion.



Mastercam Art

Quickly bring 2D sketches, clip art, photos, and CAD files to life by crafting them on-screen and cutting them with easy, specialized toolpaths.



Mastercam QuickPart (Standalone)

A step-by-step approach that guides students through the CAD/CAM/CNC process. Teach applicable terminology, principles, and processes while using industry-leading software to create and cut parts from day one. Can also be used in conjunction with 3D printers.

Contact a local Mastercam expert at [Mastercam.com/Resellers](https://www.mastercam.com/Resellers).

MASTERCAM'S LATEST INNOVATIONS FROM START TO FINISHING

Dynamic Motion Technology is a game changer.

Dynamic Motion™ toolpaths maximize material removal rates and can reduce cycle times by 25 to 75%. Dynamic Motion uses a proprietary set of rules to continually adjust toolpath motion to maintain a constant chip thickness everywhere on the part. This results in consistent machining performance, shorter cycle times, and longer tool life, benefiting your shop and your students' future shops.



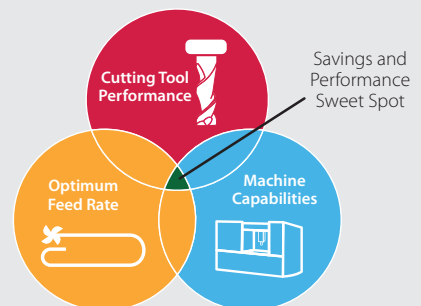
Accelerated Finishing Technology gives you new ways to work faster.

Mastercam's Accelerated Finishing™ technology is the next leap forward in addressing today's innovative profile tools and processes aimed at greater efficiency and higher machining productivity. Collaborating with the industry's smartest tool manufacturers, our software takes full advantage of these new tool designs to dramatically reduce finishing cycle times while actually improving surface finish.

Innovations designed for productivity.

Mastercam's Dynamic Motion toolpaths cut roughing times by up to 75%. And now with our exclusive Accelerated Finishing technology, total cycle times are again being dramatically reduced.

Maximum machining effectiveness is achieved at the intersection of optimal machine capability, maximum cutting tool performance, and optimized toolpath strategies. Mastercam's Dynamic Motion and Accelerated Finishing technologies provide the toolpath performance needed to reach this goal.



Mastercam is designed to help you consistently hit the savings and performance "sweet spot" of faster run times and less wear on machines and tools.

For more information, visit [Mastercam.com/Dynamic](https://www.mastercam.com/Dynamic).

HOW MASTERCAM SHAPES THE

Curriculum

One of the benefits of Mastercam is the abundance of available curriculum produced both by CNC Software, Inc. and outside sources. Why spend precious time creating materials from scratch when you can use existing resources to get your class up and running quickly and effortlessly?

Even if you are new to Mastercam or your school doesn't have it, resources are available to help your students gain valuable skills building proficiency using the world's most widely used CAM software. You are sure to find a curriculum package to fit your needs.



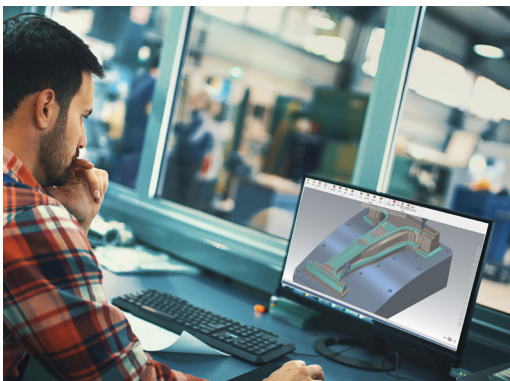
Mastercam University®

If you are looking to incorporate Mastercam or manufacturing training into your school's curriculum, Mastercam University can help. With online, video-based instruction, you don't need to hire a veteran Mastercam programmer for your students to start learning.



Mastercam U is easy to use, provides real-world training applications, and covers all levels of Mastercam skills, from basic to advanced.

University.Mastercam.com



Mastercam Certification

For students and teachers looking to set themselves apart as skilled programmers, Mastercam Certification is the answer.



Mastercam Associate Certification is acquired by achieving scores of 80% or more in select Mastercam University assessments, while Mastercam Professional Certification is a proctored test administered by a Certified Mastercam Instructor.

Teachers can also become Certified Mastercam Instructors with the ability to proctor the Professional Certification exam.

FUTURE OF MANUFACTURING

Mastercam Demo/Home Learning Edition

Students benefit from free resources like Home Learning Edition and more. Our Home Learning Edition (HLE) lets anyone run the latest Mastercam version **for free** on their home computers. HLE files are fully compatible with the Educational Suite. Visit signup.mastercam.com/demo-hle to download.

Competitions

Mastercam is dedicated to future generations of machinists. We are strong supporters of a number of motivational competitions for students.

Our Wildest Parts Competition challenges students to design and machine something that is different from anything we have ever seen before. Students can create something new or simply send in parts they already made for class over the course of the school year. Each entrant receives a Mastercam shirt and competes for substantial cash prizes.



WILDEST PARTS COMPETITION

mastercam.com/WildestParts

In addition to Mastercam-sponsored competitions, we support numerous local, national, and worldwide competitions, where schools compete using Mastercam. Participation in these competitions engages students' imaginations, builds skills, and gets them excited about their studies. These competitions provide fantastic opportunities to expand your students' engagement and interest in manufacturing.

Contact Education@mastercam.com to learn more.



From the Classroom to the Production Line

Instructor Training

To ensure instructors are prepared with the latest that Mastercam offers, Summer Teacher Training is available at many locations around North America. Find out more at mastercam.com/STT.



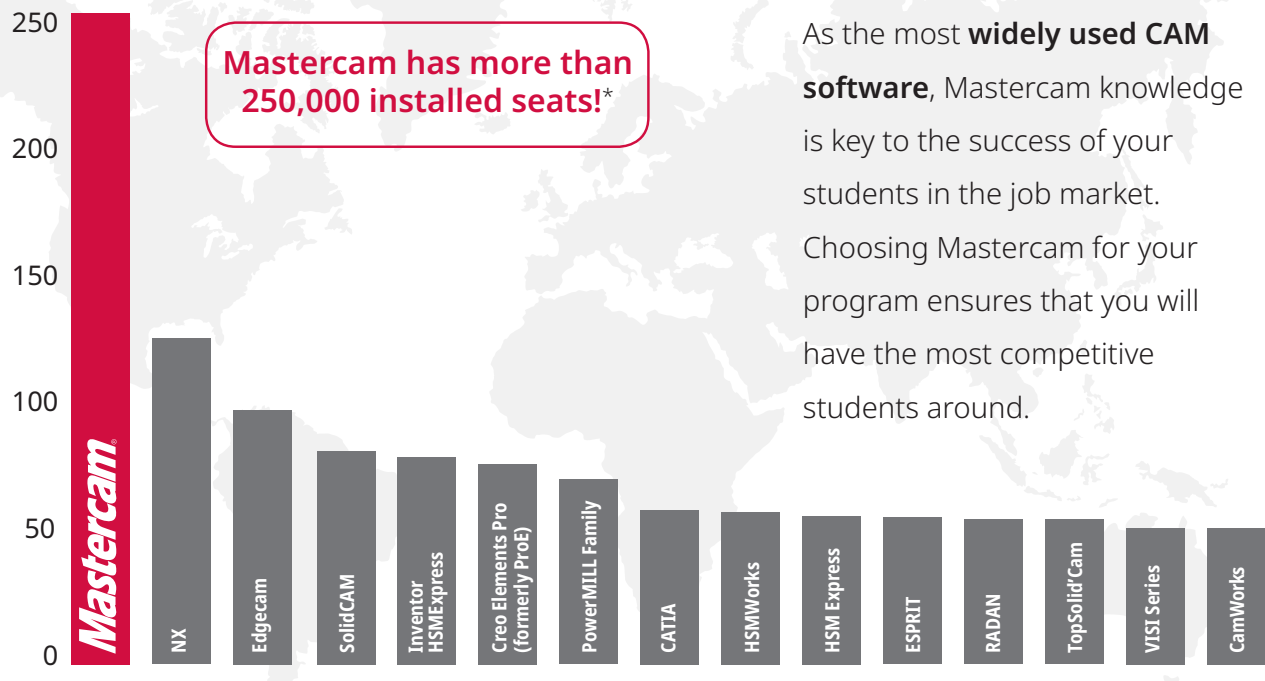
User Support

Teachers and students can rely on Mastercam for the focused support they need. And when students are ready for the job market, they have the backing of the world's largest industrial CAM network.

The WORLDWIDE LEADER in NC Programming



Installed Seats
(in thousands)



*CIMdata 2018

As the most **widely used CAM software**, Mastercam knowledge is key to the success of your students in the job market. Choosing Mastercam for your program ensures that you will have the most competitive students around.



Take your place among the Masters of CAM today! Visit MastersofCAM.com to see what amazing things people are making. Then share a story of your own.

This is a place for the world's largest CAM community to connect. By sharing stories on this platform, you and your students can create impressive portfolios of your skills, projects, and growing expertise using Mastercam.

HELP US SHAPE THE FUTURE.
BECOME A MASTER OF CAM AT **MASTERSOFCAM.COM** TODAY.

CNC Software, Inc.
671 Old Post Road
Tolland, CT 06084



www.mastercam.com/edu

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