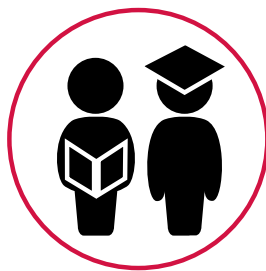


# MASTERCAM FOR EDUCATION



Mastercam

+



Students

=



Jobs

***Mastercam***<sup>®</sup>



MILL



LATHE



MILL-TURN



WIRE



ROUTER



MASTERCAM for  
SOLIDWORKS<sup>®</sup>



DESIGN



## YOUR STUDENTS WILL SHAPE THE FUTURE OF MANUFACTURING



**Education's #1 CAM**  
with more installations  
than any other package\*



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 what's  
used in today's best shops



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



With a huge machine tool  
library, Mastercam will **run**  
**your machine**, or 3D printer



**Easy to teach**  
and easy to learn



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

**Mastercam skills are in higher demand than for any other NC software.**

Endow your students with the cutting-edge skills that will give them the advantage in the job market. Your students deserve the best. Teach them industry's software of choice. **Mastercam skills launch careers.**

# EDUCATIONAL SUITE

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

## MILLING

### Mastercam Mill

Streamlined milling for 2½- to 5-axis machining, powered by our exclusive Dynamic Motion technology.



## TURNING

### Mastercam Lathe

Fully associative CAD/CAM for turning, with solids-based toolpath verification and Dynamic Motion strategies.



## MULTI-TASKING

### Mastercam Mill-Turn

Combining Mill and Lathe for efficient multi-tasking machining.



## WIRE EDM

### Mastercam Wire

2- to 4-axis CAD/CAM for wire EDM programming, from basic to advanced.



## ROUTER

### Mastercam Router

Complete 2- to 5-axis router programming with block drilling, aggregate head support, and more.



## INTEGRATED SOLUTIONS

### Mastercam® for SOLIDWORKS®

Your favorite Mastercam Milling, Turning, and Router strategies directly integrated in SOLIDWORKS. Available with the Educational Suite or as a standalone.



## MODELING

### Mastercam Design

3D solids and surface modeling CAD software aimed at getting parts of the machine quicker.



For more information, visit [Mastercam.com](http://Mastercam.com)

## ADDITIONAL MASTERCAM PRODUCTS

Every classroom and program is different. These additional products allow you to customize your Mastercam experience to your unique needs.



### QuickPart (Standalone)

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



### Port Expert

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



### Blade Expert

Toolpaths for multi-bladed parts, delivering superior blades, splitters, floors, and fillets.



### ProDrill

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



### File Translators

Specialty data translators for UG/NX, Pro/E (read only), and CATIA ensure you can read and use the files you need.



### Mastercam Productivity+™

Brings Renishaw in-process probing and inspection to your Mastercam programs.



### Art

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

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

# MASTERCAM'S LATEST INNOVATIONS FROM START TO FINISHING

## DYNAMIC MOTION™ TECHNOLOGY

Dynamic Motion toolpaths maximize safe engagement and can reduce cycle times by 25 to 75%. Dynamic Motion uses a proprietary set of rules to analyze material removal, constantly changing the cut motion based on the stock at that moment. The results are radically shorter cycle times, as well as longer tool and machine life, benefiting your shop and your students' future shops..



## ACCELERATED FINISHING™ TECHNOLOGY

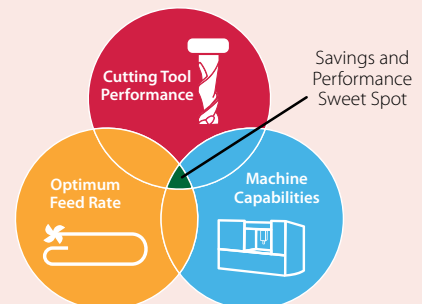
Mastercam's Accelerated Finishing technology is the next leap forward in addressing today's innovative profile tools and processes aimed at greater efficiency and higher machining productivity.



### 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, coupled with 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 users consistently hit the savings sweet spot of faster run times and less wear on machines and tools.

# HOW MASTERCAM SHAPES THE

## Curriculum

One of the benefits of choosing the most widely-taught CAD/CAM software is the abundance of available curriculum for nearly every level of instruction. With the widely varied curriculum packages produced both by CNC Software and by outside sources, there is sure to be a package that fits the needs of you and your program. There is no need for you to spend precious time creating materials from scratch when you can use our resources to get your class up and running quickly and effortlessly.



## Mastercam University

Online, video-based training that is developed exclusively by CNC Software, Inc. Sharpen your skills on your own schedule, use it to bolster your resume, and get started on the path to Mastercam Certification with the same training used by corporate staffers and Resellers.

[mastercamu.com](http://mastercamu.com)



## Mastercam Certification

Students and teachers looking to set themselves apart as skilled Mastercam programmers in the increasingly competitive job market can turn to Mastercam Certification. Becoming Mastercam Certified immediately gives recognition to the skills you've acquired and bolsters your resume. Our Mastercam Associate Level Certification is acquired by achieving scores of 80% or above in select Mastercam U courses, and our Mastercam Professional Level Certification is a proctored test administered by a Certified Mastercam Instructor. Teachers also have the opportunity to become Certified Mastercam Instructors.



# FUTURE OF MANUFACTURING

## Competitions

At Mastercam, we're 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 has the chance to win a cash prize of up to \$1,000.

For more information, visit [www.mastercam.com/WildestParts](http://www.mastercam.com/WildestParts).



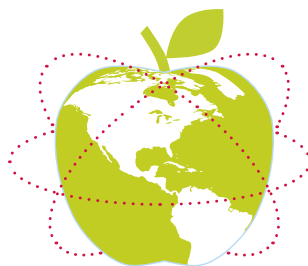
In addition to our Mastercam-sponsored competitions, we are deeply involved in numerous local, national, and worldwide competitions, where many schools compete using Mastercam. Participation in these competitions engage students' competitive spirit, and gets them excited about their projects. These competitions ensure your students engagement and interest in manufacturing.

Contact us at [TeacherInfo@mastercam.com](mailto:TeacherInfo@mastercam.com) to help you find the best competition for your needs.

## It's Our Responsibility to Help Shape the Future of Manufacturing

### Instructor Training

To ensure instructors are prepared with the latest Mastercam offers, we host Summer Teacher Training all around North America. Find out more at [www.mastercam.com/STT](http://www.mastercam.com/STT).

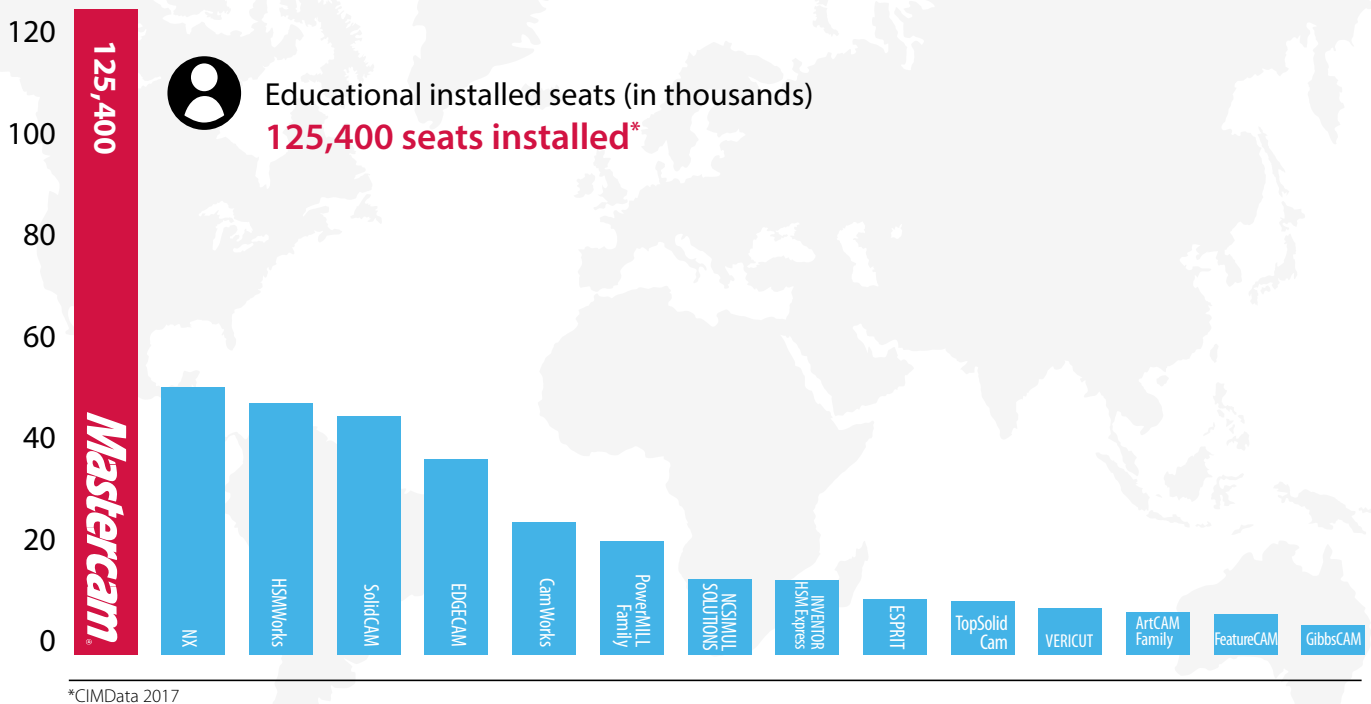


Teachers and students can rely on Mastercam for the focused support they need. And when students are ready for the job market, Mastercam backs them up with the largest network of industrial CAM support organizations in the world.



# The WORLDWIDE LEADER in Education

As the world's most widely-used CAM software, Mastercam knowledge is key to your students' success in the job market. Choosing Mastercam for your program will ensure that you have the most competitive students around.



## Partnerships

The choice to invest in Mastercam is clear for the future of manufacturing. But with Mastercam, you have a whole world of collaborative opportunities opened to you through our partnerships. Here are a few examples of the top tier partners you'll have access to by choosing Mastercam.

EDGEFACTOR

SANDVIK  
Coromant

Member IMC Group  
Isent

DMG MORI

TEC  
Haas Technical Education Center

EMUGE  
HIGH PERFORMANCE TOOLS

LOKUMA

Mazak VP

Stewart-Haas  
Racing

OCTOPUS

Robotmaster  
CAD/CAM FOR ROBOTS

UNIVERSAL  
TECHNICAL  
INSTITUTE

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



[www.mastercam.com](http://www.mastercam.com)

PROUD MEMBER  
wim  
women  
manufacturing®

**Mastercam®**  
Be Dynamic.

Mastercam® is a registered trademark of CNC Software, Inc. © Copyright 1983-2017. All rights reserved.

SOLIDWORKS is a registered trademark of Dassault Systèmes Solidworks Corp. All other trademarks are property of their respective owners.