MASTERCAM FOR EDUCATION

Mastercam + Students = Jobs
YOUR STUDENTS WILL SHAPE THE FUTURE OF MANUFACTURING

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

**Teach what gets jobs** – Mastercam is also #1 in industrial CAM installations

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

**Easy to teach** and easy to learn

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

**Technological leader** exposing students to what’s used in today’s best shops

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

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

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**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.**

* CIMData 2017
Your students will shape the future of manufacturing.

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
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
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.
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

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.
Competition

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.

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.

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 to help you find the best competition for your needs.

It’s Our Responsibility to Help Shape the Future of Manufacturing

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.

Educational installed seats (in thousands)

125,400 seats installed*

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.

*CIMData 2017