



CAD/CAE Software

The next generation of engineers and designers must be equipped to solve problems skillfully and efficiently to solve the daunting challenges ahead. SOLIDWORKS® provides students, educators, and researchers professional software, local support, and a connection to a massive user community to help them succeed.



CAD/CAM Software

Mastercam offers solutions for designers and NC programmers in a spectrum of industries, including milling, turning, wire EDM, router programming, plasma cutting, lasers, and 3D design and drafting. Mastercam delivers a powerful set of industry-standard toolpaths and teaching aids to schools worldwide ranging from high school fab labs to centers of higher learning.



CAD/CAM Software

Mastercam® for SOLIDWORKS® gives your shop the best possible foundation for fast and efficient milling. From general purpose methods such as optimized pocketing to highly specialized 5-axis cutting, it ensures that you're ready for any job.



CAD Modeling Software

Rhino can create, edit, analyze, document, render, animate, and translate NURBS* curves, surfaces, and solids, point clouds, and polygon meshes. There are no limits on complexity, degree, or size beyond those of your hardware.



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Paton Group is your single source for your design, rapid prototyping, manufacturing hardware and software requirements. The Maker Movement, education, and design industry are all embracing additive and subtractive prototyping into their manufacturing technologies. Our growing lineup brings both next-generation desktop subtractive milling machines and continued diversity of high quality 3D printing to your program.

PatonGroup.com • 800.826.0570 • fax 626.791.1476



PATON GROUP 2019 PRODUCT GUIDE

Fab Lab | STEM | Engineering | Manufacturing



Education Through Innovation





High Performance 3D Printers

At the forefront of 3D printing innovation for more than 25 years, Stratasys has been breaking barriers with unmatched material capabilities, including impressive detail, precision and durability. Stratasys technology is fueling the next generation of innovation in the areas of aerospace, automotive, architecture, medicine, product design, entertainment, and education.



Metal 3D Printers

Desktop Metal's Studio System is a three-part solution that automates metal 3D printing. Tightly integrated through Desktop Metal's cloud-based software, it delivers a seamless workflow for printing complex metal parts in-house—from digital file to sintered part.



Desktop 3D Printers

Empower more students in your school to learn real-world problem solving for tomorrow's jobs through this ready-to-go combination of MakerBot's most accessible, reliable 3D print solutions. With MakerBot, educators can connect to Thingiverse Education, a community rich in content and access to tools that are easy to deploy.



Desktop 3D Printers

Affordably incorporate professional desktop stereolithography into your fab lab, with minimal footprint. Manage multiple printers from an online dashboard and take advantage of an extensive online library of training aids..



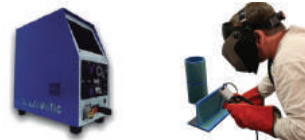
3D Scanners

Artec 3D offer quality, non-contact 3D laser scanners with reverse engineering capabilities. Artec Scanners have the ability to scan objects of various sizes and with varying degrees of complexity. Industries using digitized content include design, medicine, and engineering.



Augmented Welding Training

Miller offers a virtual Training and Performance Resource Management Platform to help train better welding professionals in less time, without risks with cost saving benefits.



Mobile STEM Labs

KidSPARK construction toys help teach children to see like designers and think like engineer giving them the skills and confidence to change the world. Basic Robotics Mobile STEM Labs are designed to transform any space into a STEM Lab, Maker Space, or Robotics Lab.



Universal laser systems gives you the ability to cut, engrave, and mark on materials such as glass, wood, metal, paper, and composites. ULS machines use a superior stepper motors with job control software making the process seamless, dependable, and precise.



CNC | CIM | Robotics

Intelitek's specializes in bringing sustainable, scalable solutions into educational and training programs including middle schools, high schools, universities and technical training centers. Intelitek has a unique combination of e-learning curriculum and industry-based lab hardware, to develop career and technology training programs that best fit your needs and your budget.



Mills | Vinyl Cutters | Large Format Printers

Roland is at the forefront of 3D fabrication, delivering tens of thousands milling machines for a wide variety of applications, from subtractive rapid prototyping, rapid manufacturing, hobby, craft and jewelry making, to producing precision medical prosthetics.



CNC Mills | Lathe

Tormach is dedicated to helping people enter the world of CNC manufacturing by providing affordable small CNC machines (personal CNC machines) and related products. They also have additional tools such as engineering documents, manuals, training, software, tooling, and engineered accessories, making CNC machining easy to learn and productivity quick to achieve for entry level users.



CNC Routers | Plasma Cutters

Reliable and affordable, Forest Scientific's CNC routers are made in the USA. All of their CNC controls connect to the computer through USB not outdated parallel port, serial port, ISA ports, or other ports that requires DOS.



CNC Mills | Lathes | Turning Centers

The range of EMCO products extends from the conventional lathes and milling machines to CNC turning centers and vertical machining centers through to fully automatic manufacturing cells. Central considerations in the development of EMCO machines: Design to Cost.



Measurement | Inspection | Reverse Engineering

Built on the powerful Mastercam design platform, Verisurf offers advanced tools and capabilities for a wide range of applications. From tool building to periodic and automated inspection, enabling users excel throughout the entire manufacturing process.

