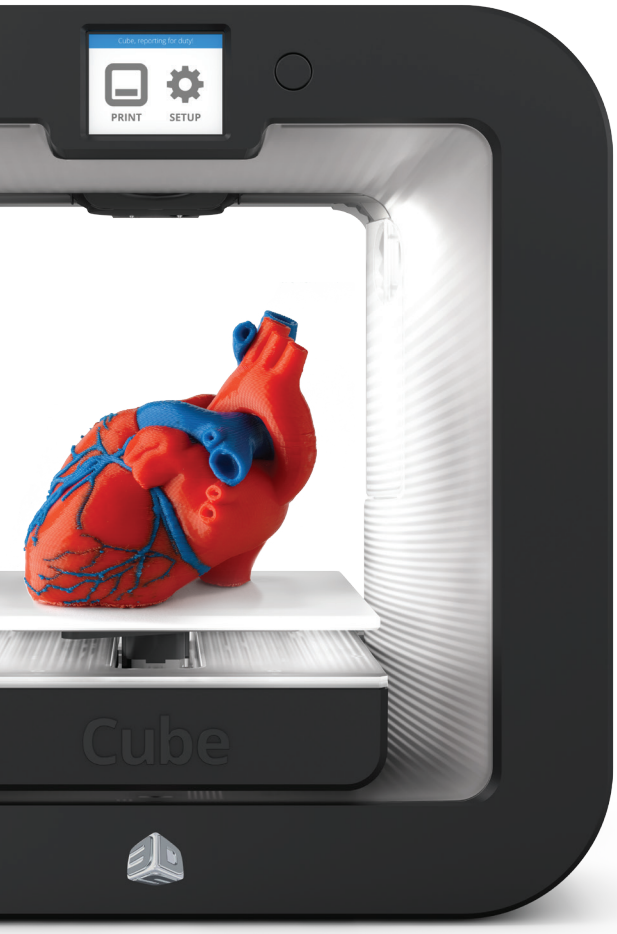
KONICA MINOLTA

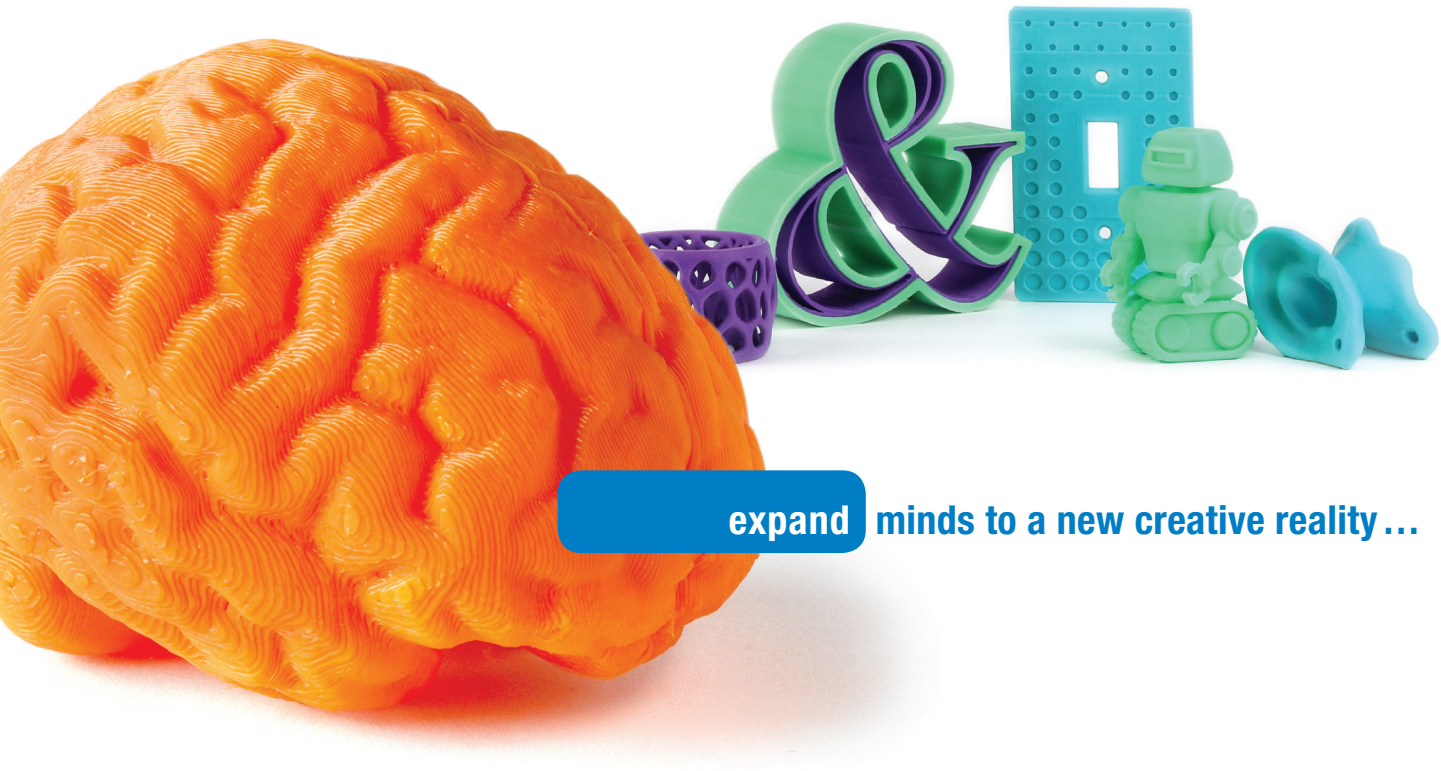
Giving Shape to Ideas

CubePro® and Cube® 3D Printers: Collaborative Classroom Learning to Help Lessons Come to Life

empower



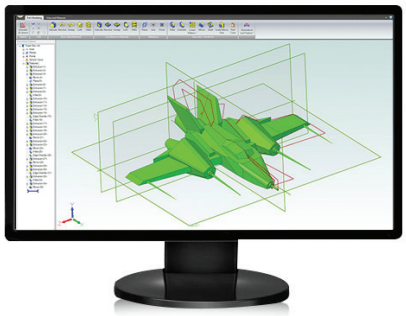
3D SYSTEMS



expand **minds to a new creative reality…**

Inspire.

Open the door to personalized, collaborative classroom learning. Stimulate students to imagine, envision, create, innovate, play, learn, experiment and dream of new possibilities. These 3D printers can be effective learning tools for conveying concepts in creative arts and architecture, history and technology, biology and life sciences, mathematics, STEM initiatives—visualizing complex shapes, creating models and prototypes, exploring biological forms, testing designs, making parts and much more.



Empower Students to Realize Their Vision

The CubePro® and Cube® 3D printers empower students to become producers of content and products—facilitating the idea of entrepreneurship and providing new opportunities to enhance project, problem, design, inquiry and challenge-based learning. 3D printing can:

- Promote student literacy through writing, reflecting and journal writing while making real-world objects in specific subject areas
- Engage students in relevance and connections through an authentic learning experience
- Give students the opportunity to learn through kinesthetic procedures and techniques
- Introduce students to the iterative process for problem solving
- Support student development by relaying the importance of asking the right questions and following up with continued inquiry

Encourage students to imagine, envision, create, innovate and learn with 3D printing.

Colorful 3D Printing is Simple

The CubePro 3D printer can revolutionize the teaching of hard-to-grasp concepts, capturing the attention of students by creating full-color large objects about 10" in width, height and depth—about 2½ times larger than any other printer in the desktop educational and hobbyist market. The Cube can produce objects up to 6" in height, width and depth. Imagine a 3D model of the human heart, a fossil bone, a historical amulet or crown, even a small engine or working part—3D printing can create them all, in detailed representations that bring lesson plans to life.

Rapid Prototypes and Parts

In comparison with "subtractive"technologies for designing prototypes and producing parts to gauge their accuracy and workability, the CubePro creates 3D prints with "additive" value to help students and trainees see details, explore concepts and test ideas more quickly and cost-effectively. "If you can draw it, you can make it"—even designs that are impossible to realize through ordinary machine processes.

Colorful, Recyclable and Environmentally Friendly

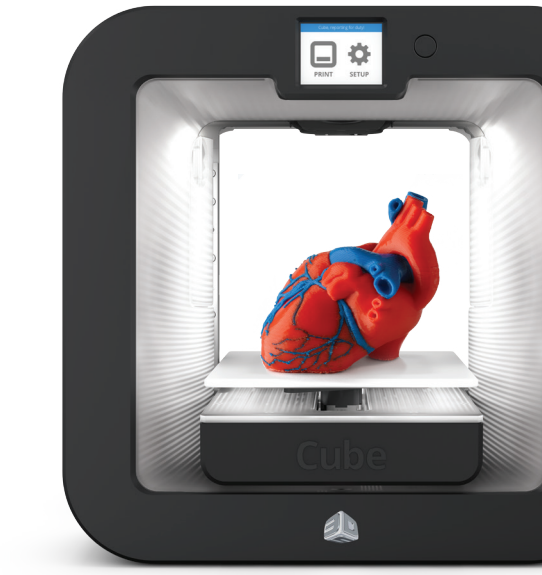
The CubePro can print full-color 3D objects in nylon, recyclable ABS plastic or compostable PLA plastic; the Cube can print on ABS or PLA plastic in 23 colors. Your choice of three print patterns and three print strengths matches the needs of virtually any 3D object in your lesson plan. A controlled print environment ensures improved accuracy and reliability, even for large-size objects—and automated settings enable you to produce home-safe printing in the workshop or on the desktop.

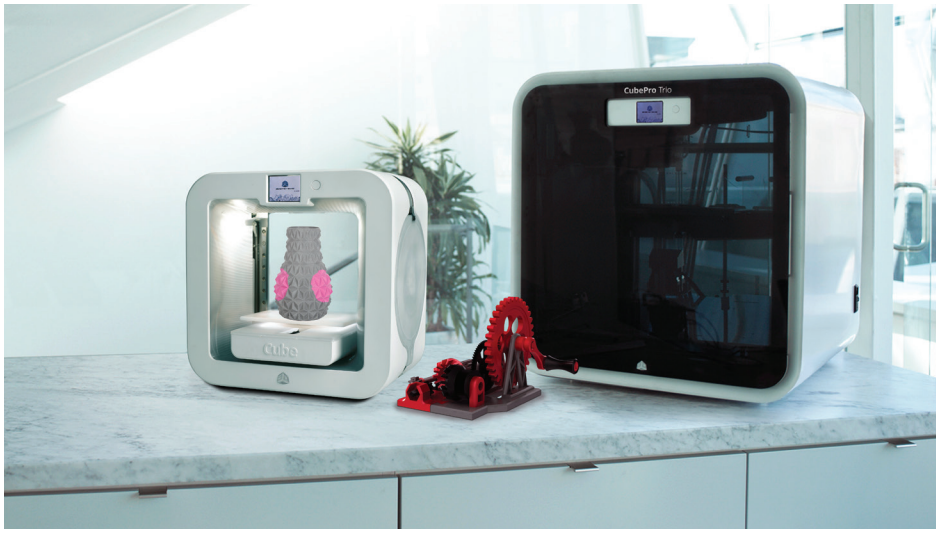
Supplied Software and Mobile Printing

Mobile printing direct from the Cubify app puts 3D printing convenience in the palm of your hand. Stabilized print mechanics and easy-feed cartridges prolong the life of your materials and produce faster, more accurate prints. You'll have simple operation with an easy-to-use touchscreen display—and WiFi connectivity lets you prep and print from your smartphone direct to your printer.

A Better Way to Teach Thinking Skills

Students of all ages learn more quickly through iterative design processes. 3D printing with the CubePro and Cube can give teachers, trainers, team leaders, demonstrators and visiting lecturers new ways to instruct and inspire, giving shape to their ideas and passing on the essential skills of tomorrow's creative workforce.





Add Another Dimension to Your Curriculum with STEAMtrax.

STEAMtrax is an innovative new curriculum that integrates engineering and 3D printing technology with core academic knowledge in science, math, language arts, social studies and art. In the true spirit of the Framework for 21st Century Learning skills, students are engaged in relevant learning scenarios that encourage the essential skills of problem solving, collaboration communication, clear and critical thinking as well as developing core academic knowledge. Each lesson imbeds 3D design, printing and scanning technology as an integral part of the STEAMtrax Engineering Process.

The curriculum modules are designed to be integrated into current science programs or provide enrichment to after school or summer programs. The modules are flexible and easily align to NGSS or state standards. Each of the modules has a hands-on kit that accompanies the lesson, so the students can build their engineering designs/prototypes before testing on the 3D printer.

STEAMtrax K-12 ENGINEERING

technical specifications

CubePro and Cube 3D PRINTERS

Print Properties	
Technology	Plastic Jet Printing (PJP)
Print Jets	CubePro: Single, Dual and Triple Jet models available Cube: Dual Jets
Maximum Creation Size	CubePro: 10.8" x 10.45" x 9.5" / 275 x 265 x 240 mm Cube: 6" x 6" x 6" / 152 x 152 x 152 mm
Material	CubePro: Nylon, PLA plastic and ABS plastic Cube: PLA plastic and ABS plastic
Layer Thickness	CubePro: 70 microns, 200 and 300 microns in fast mode Cube: 70 microns, 200 microns in fast mode
Print Modes	CubePro: 27 print modes, 3 print patterns, 3 print strengths
Supports	Fully automated, easy to peel off rafts and supports

Software	
Windows	32 and 64-bit OS: Windows 7 or Windows 8
Mac OSX	Mac OSX 10.8
Hardware (Minimum Requirements)	Multi-core processor: 2 GHz or faster per core System RAM: 2 GB Screen resolution: 1024 x 768

Partnership.

Konica Minolta can help give shape to your ideas and partner with you to achieve your corporate objectives. Contact us to realize opportunities in:

Information Management

Enterprise Content Management (ECM)
Document Management
Automated Workflow Solutions
Business Process Automation
Security and Compliance
Mobility

IT Services

Application Services
Cloud Services
IT Security
Managed IT Services
IT Consulting & Projects

Technology

Office Multifunction Business Solutions
Commercial and Production Printers
3D Printers
Wide Format Printers
Laptops, Desktops and Computer Hardware
Servers and Networking Equipment
Optimized Print Services (OPS)
Facilities Management

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3DSYSTEMS

KONICA MINOLTA BUSINESS SOLUTIONS U.S.A., INC.
100 Williams Drive, Ramsey, New Jersey 07446

CountOnKonicaMinolta.com

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