

Press Release – D.I.Wire
March 2016
USA STEM Festival

New York, NY – Pensa Labs today announced that it would be showing the world's smallest CNC wire bender at the USA STEM Festival. Developed by Pensa, a New York-based industrial design firm, the D.I.Wire weighs in at only 10 kilos and is the first machine of its kind to transform digitally drawn curves and shapes into bent wire. It is uniquely valuable in STEAM education across age groups and settings because it lets students bridge the digital-physical divide using creative thinking and real world fabrication.

As more schools and organizations begin to recognize how important meaningful uses of technology are in learning, they are looking for ways to take advantage of the newest tools out there. The D.I.Wire is transforming STEM/STEAM education, receiving an overwhelmingly positive response at universities and schools in the United States and Canada. "We want to encourage creativity in students young and old. In just minutes, you can quickly go from lines on the screen to physical parts," says Kathy Larchian, partner at Pensa. "It's that simple and fast to use."

"We are excited about creating an entirely new tool for digital fabrication. This opens up a world of new possibilities, especially when combining the D.I.Wire technology with other desktop manufacturing machines," says Marco Perry, partner at Pensa. "The potential is unlimited: architecture models, design prototypes, lighting, stage sets, antennas, jewelry, puppetry, robotics, short-run production, furniture, small crafts, and more."

"In developing the D.I.Wire, we focused on creating a seamless user experience, from software interface and machine design, to accessories that help with assembly. Our software doesn't require specialty skills; just drag-n-drop your file and press bend," says Mark Prommel, partner at Pensa. For educators, this means more time spent on the thinking processes that go into designing and building, along with real hands-on experience.