Impossible Objects Wins International Innovation Awards for its Breakthrough 3D Printing Technology

New CBAM technology allows companies to take full advantage of high-performance composite materials and polymers.

NORTHBROOK, Ill. – April 4, 2018 – Impossible Objects' (www.impossible-objects.com) Model One 3D printer and underlying CBAM (composite-based additive manufacturing) technology have been named winner of two international awards, the TCT Technology Innovation Hardware Award and the Society of Manufacturing Engineer's (SME) Excellence in Composites Manufacturing Award. The Model One printer and CBAM technology enable companies to create stronger parts, faster, and at scale. CBAM takes full advantage of high performing composite materials such as carbon fiber in PEEK polymer.

The TCT award "celebrates the innovators, technologies and collaborators behind the leading examples of 3D technology use across the globe." Applicants were evaluated by TCT's Expert Advisory board. Impossible Objects' Model One machine was announced as winner in the hardware category at TCT's annual event held in 2017 in Birmingham, U.K.

The SME Excellence in Composites Manufacturing Award recognizes innovations that advance the overall composites manufacturing industry. The international award is presented annually to one large and one small company that has demonstrated "excellence in the field of advanced composites manufacturing." The winners were chosen by SME's Composites Manufacturing Tech Group and announced at AeroDef Manufacturing in Long Beach, CA, March 2018, the leading exposition and conference for the aerospace and defense manufacturing industry.

According to Bob Swartz, founder and Chairman of Impossible Objects, CBAM is a significant advancement over current 3D technologies. One of the most significant advantages is its ability to use composite materials, like carbon fiber, Kevlar and fiberglass together with PEEK and other high performance polymers. With these materials, manufacturers can produce lightweight parts with extremely strong material properties – at least five times stronger than material extrusion. Impossible Objects' CBAM can 3D print complex geometries not previously possible with traditional composite processes.

"We are humbled and honored to win these prestigious awards," says Swartz. "In founding Impossible Objects, we set out to change the way things are made and invent an entirely new 3D printing process. We're excited to be recognized in the field for our accomplishments —creating a new way to produce advanced materials and a new manufacturing process."

Impossible Objects will be exhibiting their technology at the Additive Manufacturing Users Group Conference (AMUGexpo), April 8-9, in St. Louis (Booth #48) and at the RAPID + TCT annual conference and exhibition, April 24 – 26, in Fort Worth (Booth #504).

About Impossible Objects:
Impossible Objects was founded in 2009 with the expectation that materials sciences inventions would enable 3D printing to revolutionize the world in the same ways that computers and the Internet have revolutionized the way we live, work and play. Impossible Objects is venture-backed and is staffed by a multidisciplinary team with extensive experience in manufacturing, additive manufacturing, materials science, aerospace, composite materials and engineering, and developing and commercializing new technologies. www.impossible-objects.com

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