

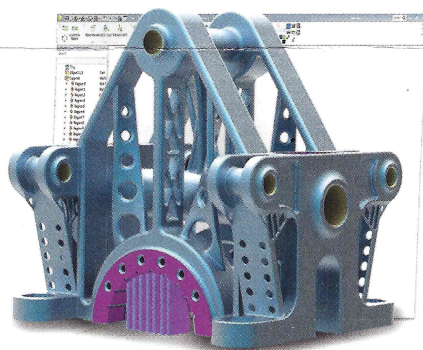
Build Simulation Module Added to Software

3D Systems has announced that it will bundle its 3DXpert software with all of its direct metal printers to streamline precision metal workflows. The software includes print preparation, supports and structure optimization, slicing, and postprocessing capabilities, and makes it possible to work natively with CAD data.

A new Build Simulation module within 3DXpert enables users to accurately verify and optimize parts, designs and supports before sending parts to print, avoiding expensive iterations. Generative scan paths take into account design

intent and part geometry. 3D Zoning capability enables users to assign different print strategies to different part areas and merge them into a single scan path, accelerating print time.

3dsystems.com

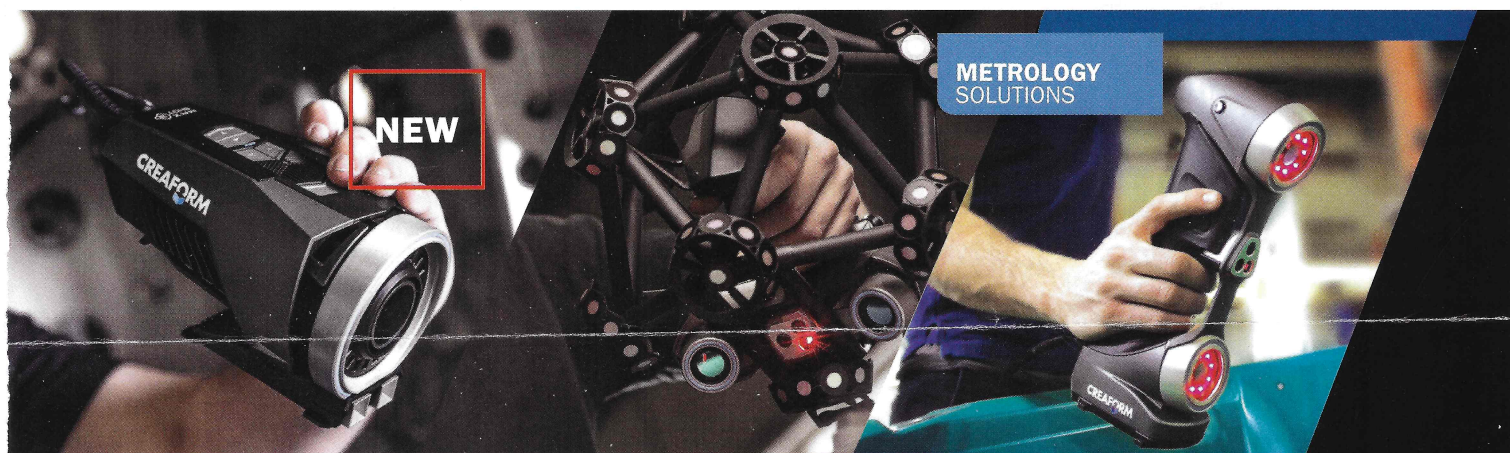


Composite 3D Printer Speeds Production

Model One, the pilot 3D printer for high-volume manufacturing from Impossible Objects, is said to be capable of producing functional parts as much as 10 times stronger than other 3D printers, and at speeds faster than other additive manufacturing technologies and traditional composite lay-up techniques.

The Model One relies on Impossible Objects' composite-based additive manufacturing method (CBAM), which uses conventional thermal inkjet heads to print designs on sheets of composites such as carbon fiber, Kevlar and fiberglass. Each sheet is then flooded with a polymer powder, such as nylon or PEEK, causing the powder to stick where inkjet fluid has been deposited on the sheets. Excess powder is vacuumed off and the sheets are stacked, compressed and heated. The polymer powder melts and bonds the sheets together. The uncoated fibers are then mechanically or chemically removed, and what remains is a durable, lightweight object. The company says it is possible to customize heat and/or chemical-resistant properties, stiffness, flexibility and other attributes.

impossible-objects.com



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