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March 2007



Written by DE Editors

February 2007

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Editor's Pick of the Week—March 14, 2007

3D Color Printer Fits in Office

Z Corporation unveils ZPrinter 450 with particle containment and no liquids.

[Z Corporation](#) (Burlington, MA) has announced the ZPrinter 450, its newest color 3D printer. The ZPrinter 450 is optimized for a front-office environment: It is quiet, uses safe build materials, and employs “negative pressure” and a closed loop system to contain airborne particles. Even when a model requires supports, the ZPrinter 450 It produces no liquid waste to remove them, and the ZPrinter 450’s powder and binder cartridges cleanly load, keeping users away from the build materials.



ZPrinter 450

The ZPrinter 450, says Z Corporation, introduces first-ever capabilities for a color 3D printer, such as automated setup and self-monitoring of materials and print status. The ZPrinter 450 uses a loose powder for model support structures and automatically removes that loose powder upon completion of the model without liquid baths. Additionally, the ZPrinter 450 has an integrated fine-powder removal chamber that reduces the footprint of the system.



<< Sample images created with the ZPrinter 450 from Z Corp. Click images to enlarge. >>



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The ZPrinter 450 produces color using a single tri-color printhead instead of multiple printheads. You can control the ZPrinter 450 from your desktop or a display panel on the printer itself. Its ZPrint software lets you monitor powder, binder, and ink levels from your desktops, and remotely read the machine's LCD display.



< < *Sample images created with the ZPrinter 450 from Z Corp. Click images to enlarge.* > >



The ZPrinter 450, according to the company, produces models and prototypes at a cost of approximately \$3 per cubic inch. Printer solution is 300 x 450 dpi.

Z Corporation anticipates that the ZPrinter 450 will ship early in the second quarter of this year. Pricing will be \$39,900.

Click [here](#) to download a WAV movie and some PDF brochures on the ZPrinter 450 (registration is not required). To go to the Z Corporation website, click [here](#).

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