Next-Generation
High-Definition Color
3D Printing System

Spectrum Z510
Get the results you need with the highly advanced, supremely valuable marvel in 3D rapid prototyping.

High-quality 3D prototypes are critical for helping you achieve your engineering and business goals. With high-definition 3D parts, you can efficiently communicate and evaluate design concepts throughout the product development enterprise. Improved design communication enables you to compress design cycles, improve manufacturing planning, shorten time-to-market, innovate new products, and even win new business.

The Spectrum Z510 Full Color System produces high-definition, full-color prototypes quickly and affordably. Superior inkjet printing technology creates parts with crisply defined features, enhanced accuracy, and precise color, so you can print and evaluate physical models of design concepts in their nearly finished state. Rapid 3D printing of high-definition models means you no longer have to wait for prototypes.

This unique, 24-bit color, 3D printing capability produces color models that accurately reflect your original design data. Color models communicate more information than any other type of rapid prototype, providing you with a strategic advantage in product development. Enhanced software features maximize the benefits of color by providing flexible part labeling, feature coloring, texture mapping, annotation, and labeling capabilities.
How the Spectrum Z510 System Works

1. Roller spreads a layer of powder material.
2. Standard inkjet printheads (4) deposit colored binder (cyan, magenta, yellow, clear).
3. Cross-section of part is solidified.
4. Piston lowers making room for new layer.
5. Process repeated until part is complete.

**Spectrum Z510 TECHNICAL SPECS**

- **Build Speed**: 2-4 layers per minute
- **Build Size**: 254 x 356 x 203 mm (10 x 14 x 8 inches)
- **Material Options**: High performance composite, direct casting
- **Layer Thickness**: User selectable at time of printing; .089-.203 mm (.0035-.008 inches)
- **Resolution**: 600 x 540 dpi
- **Number of Printheads**: 4
- **System Software**: Z Corporation’s proprietary software accepts solid models in STL, VRML and PLY file formats as input. ZPrint software features 3D viewing, text labeling, and scaling functionality.
- **Equipment Dimensions**: 107 x 79 x 127 cm (42 x 31 x 50 inches)
- **Equipment Weight**: 204 kg (450 lbs)
- **Power Requirements**: 100V, 7.8A or 115V, 6.8A or 230V, 3.4A
- **Network Connectivity**: TCP/IP 100/10 base T
- **Workstation Compatibility**: Windows® 2000 Professional and Windows XP Professional
- **Regulatory Compliance**: CE, CSA
- **Special Facility Requirements**: None

Z CORPORATION
32 Second Avenue • Burlington MA 01803
781-852-5005
WWW.ZCORP.COM