



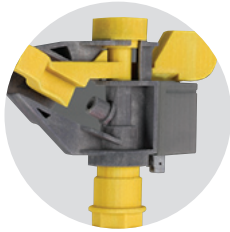
# Spectrum Z<sup>TM</sup> 510



Next-Generation  
High-Definition Color  
3D Printing System



# Spectrum Z510



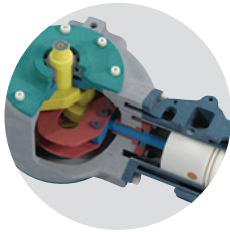
## High-Definition Output

Greater part accuracy, enhanced surface finish, and fine detail resolution enable you to produce high-definition prototypes of nearly finished-part quality from your desktop.



## Full-Color Models

High-fidelity, 24-bit color capabilities allow you to produce full-color models for better representation of assemblies, improved engineering labeling, accurate FEA data output, and vibrant product coloring.



## Fast, High Throughput

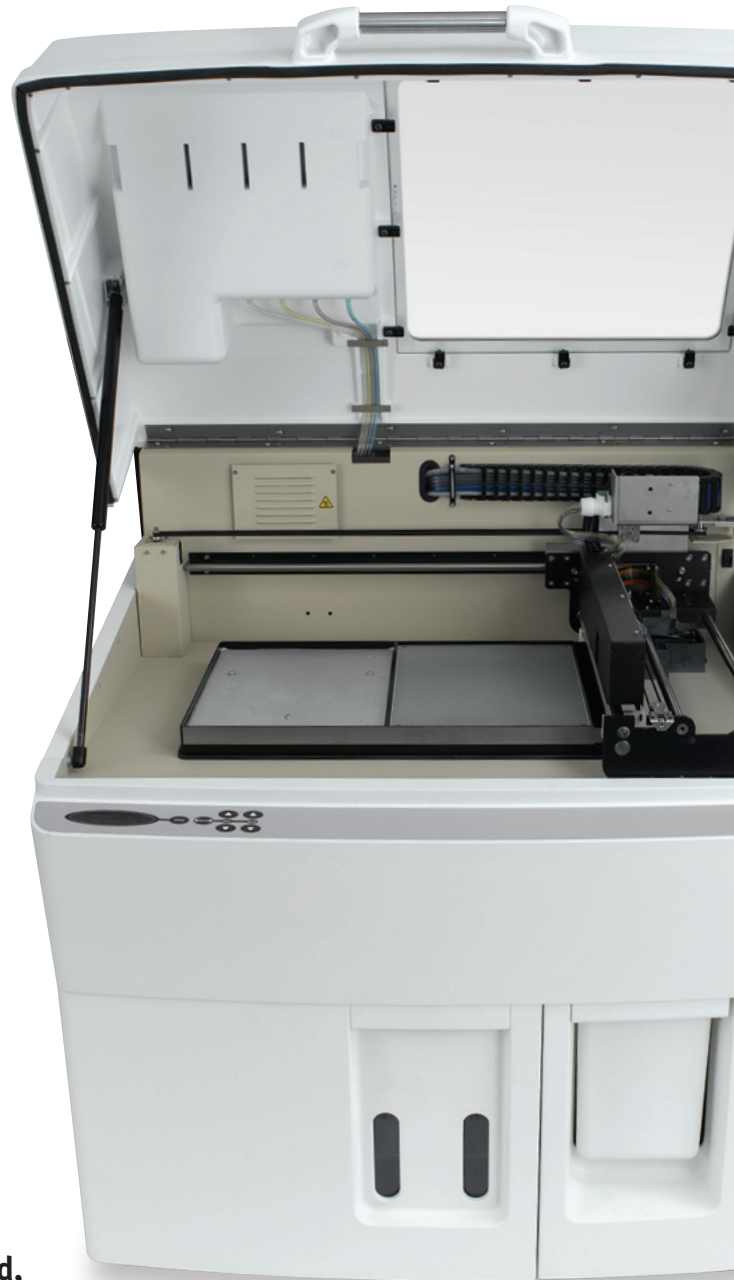
Large build size and unparalleled speed lets you maximize 3D print production so you can produce and evaluate the parts you need when you need them.

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

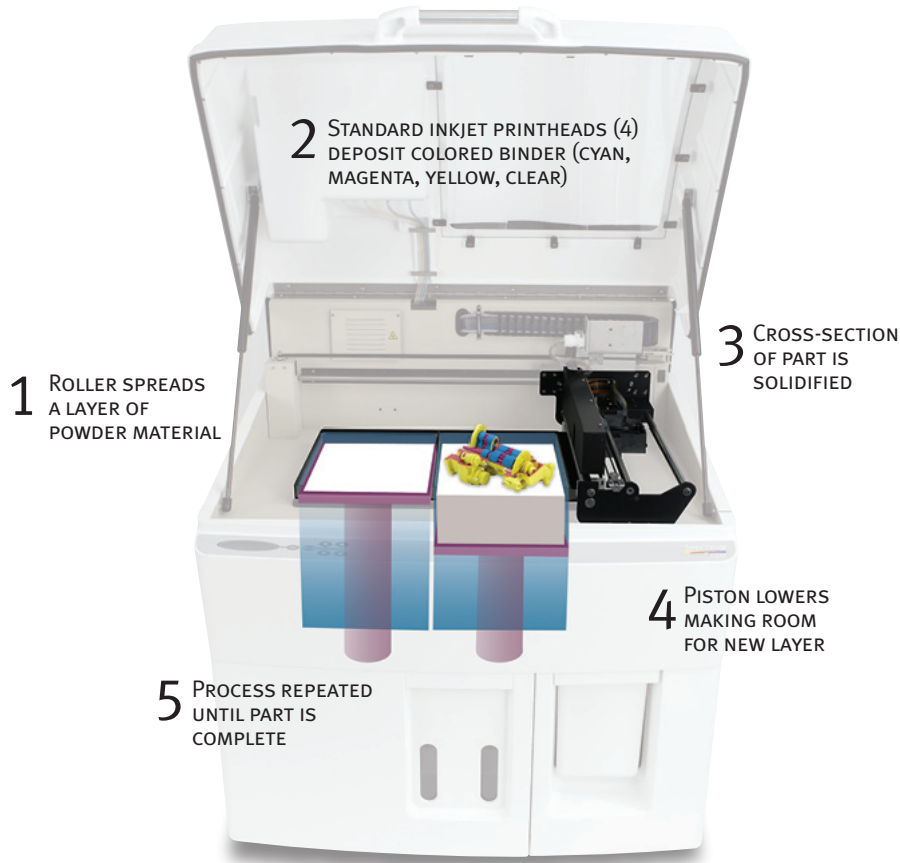
High-quality 3D prototypes are critical for helping you achieve your engineering and business goals. With high-definition 3D parts, you can efficiently communicate and evaluate design concepts throughout the product development enterprise. Improved design communication enables you to compress design 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



## 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

**Number of Jets:** 1216 total

#### 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



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