

ZPrinter[®] 450

The lowest priced color 3D printer available, the ZPrinter 450 outputs brilliant color models with timesaving automation and an easy printing process. It is the ideal introduction to color 3D printing for a wide variety of applications, from product design, production prototypes, and architectural concepts to education, healthcare and the arts.



MORE COMMUNICATION
MORE MODELS
MORE FREE TIME
MORE SAVINGS
MORE OFFICE FRIENDLY

ZPRINTER 450 PRODUCT ADVANTAGES

MORE COMMUNICATION

3D models and product prototypes are about communication, and nothing communicates better than color

- Produce realistic color models without paint
- Better evaluate the look, feel, and style of product designs
- Add highlights to models with annotations like text, arrows, and texture maps
- Print precise 300 x 450 dpi color 3D models

MORE MODELS

Experience the world's fastest print speed

- 5X-10X faster than all other technologies
- Output models in hours, not days
- Build multiple models at the same time by stacking and nesting parts
- Supports an entire engineering department or classroom with ease

MORE FREE TIME

Performs most operations automatically so you don't have to, and it simplifies the rest

- 40% less operator touch time for setup and model removal
- Automated setup and self monitoring
- Automated powder loading and recycling
- Snap-in binder cartridges
- Intuitive control panel for easy operation
- Requires minimal training and expertise

MORE SAVINGS

Z Corporation sets the standard for affordability in 3D printing

- Lowest priced color 3D printer you can buy
- Industry's lowest operating cost; one-fifth that of other technologies

MORE OFFICE FRIENDLY

Ideal for everyday use in a standard office environment

- Quiet, safe, odor free
- Most advanced powder management system available on an inkjet 3D printer
- Closed-loop powder loading, removal, and recycling
- Continuous negative pressure for containing airborne particles within the envelope of the machine
- Eco-friendly, non-hazardous build material
- Zero liquid waste
- No physical support structures to remove with dangerous cutting tools or toxic chemicals
- Noise-suppression technologies for quiet, intrusion-free operation



Z CORPORATION[®]

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TECHNICAL SPECIFICATIONS

| | |
|-------------------------------|--|
| APPLICATION | Most affordable color, easy to use, office friendly |
| MULTICOLOR | Yes |
| AUTOMATED | Yes |
| BUILD SPEED | 2-4 layers per minute |
| BUILD SIZE | 8 x 10 x 8 inches (203 x 254 x 203 mm) |
| MATERIAL OPTIONS | High-performance composite |
| LAYER THICKNESS | 0.0035 - 0.004 inches (.089 - .102 mm) |
| RESOLUTION | 300 x 450 dpi |
| NUMBER OF PRINT HEADS | 2 |
| NUMBER OF JETS | 604 |
| FILE FORMATS FOR PRINTING | STL, VRML, PLY, 3DS, ZPR |
| EQUIPMENT DIMENSIONS | 48 x 31 x 55 inches (122 x 79 x 140 cm) |
| EQUIPMENT WEIGHT | 425 lbs (193 kg) |
| POWER REQUIREMENTS | 110V, 14.4A or 115V, 14.0A or 230V, 6.2A |
| NETWORK CONNECTIVITY | TCP/IP 100/10 base T |
| WORKSTATION COMPATIBILITY | Windows [®] XP Professional and Windows Vista [®] Business/Ultimate |
| REGULATORY COMPLIANCE | CE, CSA |
| SPECIAL FACILITY REQUIREMENTS | None |



Z CORPORATION[®]

WORLDWIDE HEADQUARTERS

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