



Introducing the
ZPrinter 450

World's Most Automated and
Affordable Color 3D Printer



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ZPrinter[®] 450 at a Glance

World's most automated and affordable color 3D printer

- Output precise, 450 dpi color 3D models/prototypes, 5x-10x faster than competing printers at half the cost
- Ideal for MCAD, education, architecture, medical, geospatial, and electronic arts applications
- Automation simplifies printing and saves time (40% less touch time)
- Compact, all-in-one printing and powder recycling
- Sets new standard for office compatibility with office-safe build materials, active dust-control, and zero liquid waste

Making Color 3D Printing Accessible



- A giant step in making color 3D printing accessible and suitable for everyday use
- A superior alternative to monochrome 3D printing, or the outsourcing of color prototypes and 3D models
- Produce models for less than half the cost of other 3D printing technologies

Bold, Contemporary Product Design

* Manufacturer's Suggested USA List Price for printer only.
Options, shipping, local taxes, and duties not included



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Speed and Accuracy

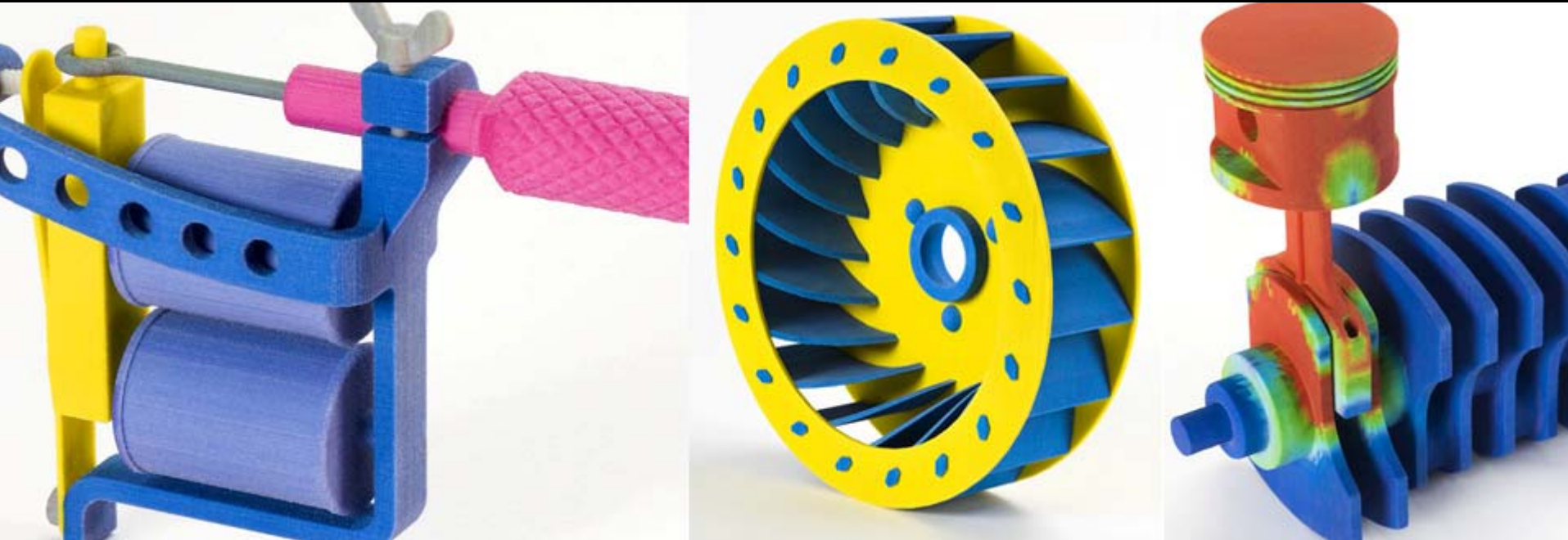


- Industry's fastest build speed (5x-10x faster)
- Build 3D models in hours, not days



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Brilliant Color



- One-of-a-kind color capability
 - Dramatically communicates the look, feel and style of engineering product designs, architecture, landscapes, and medical models



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Exceptional Detail



- High-quality part detail and surface finish
- Precise, 300 x 450 dpi resolution

Features



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Quick-Load Binder Cartridge

Integrated Fine-Powder Removal Chamber

Single Tri-Color Print Head

Expanded On-printer Controls

Closed-loop, Automated Powder Loading, Handling & Recycling

All-in-one, Feature-rich



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Setup & Maintenance

Quick-Load Binder Cartridge

- New, no-touch binder cartridges
- Load 1 liter of binder in seconds



Setup & Maintenance

Quick-Load Print Head

- Change print heads 66% faster
- Revolutionary, single tri-color print-head design



Setup & Maintenance

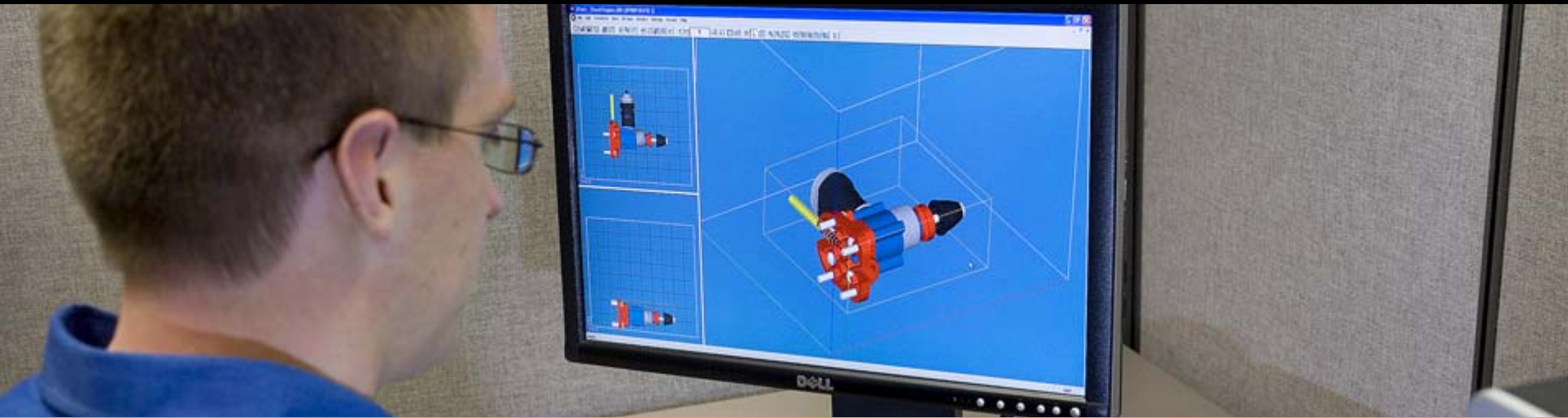
Quick-load Powder Canister

- Fast, automatic powder loading
- Clean, no-touch powder canister



Greater Control

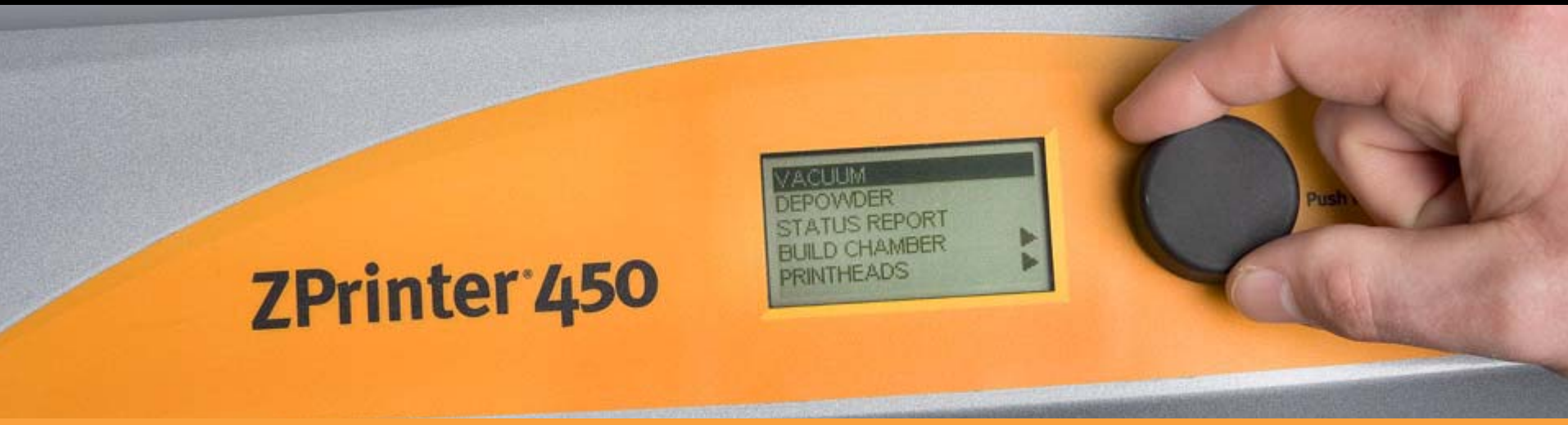
From the Desktop & the Printer



- Next-generation ZPrint[®] desktop software
 - Easier than ever to send jobs to the printer, and exchange essential information with the machine
 - Remotely read the machine LCD display
 - See real-time readings of powder, binder, and ink levels, automatically monitored by the system

Greater Control

From the Desktop & the Printer



- Expanded printer display & interface
 - Enjoy the option to perform numerous functions from the printer, previously possible only in software
 - Expanded machine display communicates far more data

Easy Post Processing



- After printing, the ZPrinter[®] 450 removes up to 80% of powder automatically

Easy Post Processing



- Remaining powder is removed with air in enclosed chamber
- Automatically recycled for future use

Easy Post Processing



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- No physical supports to remove with tools or chemicals, like other 3D printers



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Easy Post Processing

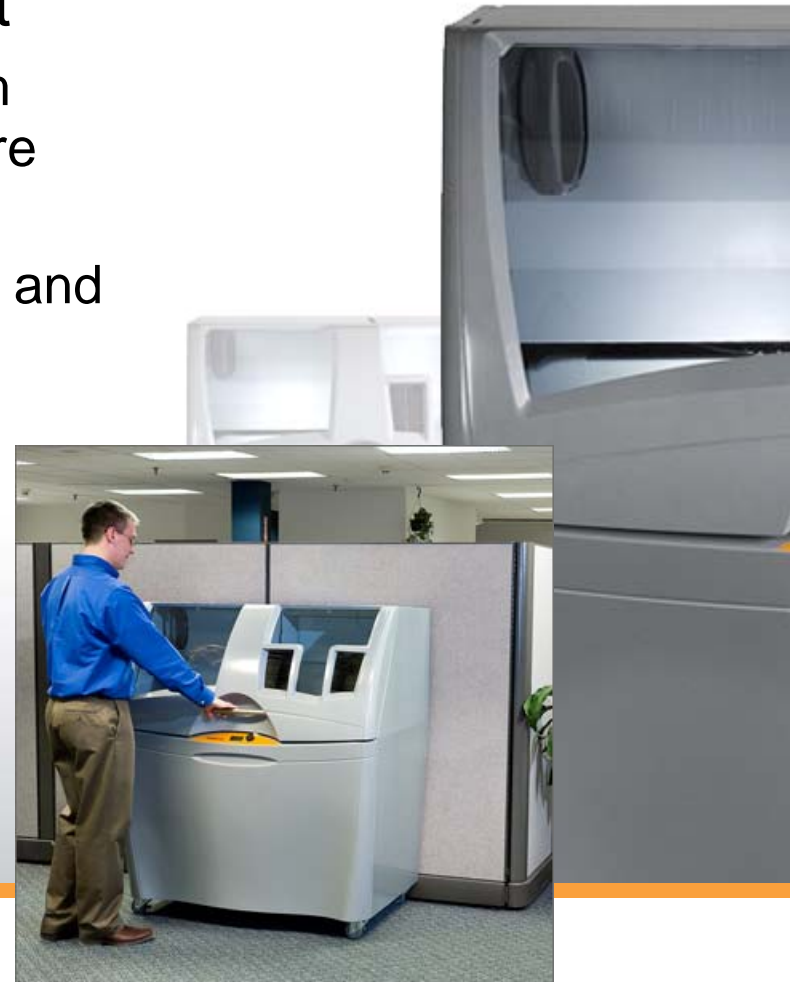


- Easily Add Strength With Infiltrants, via Dip, Drip, or Brush

Sets New Standard for Office Compatibility



- Active & passive dust containment
 - Continuously operating, quiet vacuum maintains negative pressure to capture airborne dust
 - Closed-loop powder loading, removal and recycling contains powders within the envelope of the machine
- Office-safe, eco-friendly build materials
- No hazardous liquid waste





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ZPrinter[®] 450 Specifications

Build size	203 x 254 x 203 mm (8" x 10" x 8")
Color	Yes, single tri-color head
Print resolution	300 x 450 dpi
Layer thickness	.089 - .102 mm (.0035" - .004")
Build speed	2-4 layers/minute
Compatible materials	zp130





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Z Corporation Product Line

3D Printers for Every Application

ZPrinter 310 Plus

ZPrinter 450

Spectrum Z510

Application	Value	Quality Color	High-definition Color
Output	Monochrome	Color	Color
Print Resolution	300 x 450 dpi	300 x 450 dpi	600 x 540 dpi
Build Chamber Size	203 x 254 x 203 mm 8" x 10" x 8"	203 x 254 x 203 mm 8" x 10" x 8"	254 x 356 x 203 mm 10" x 14" x 8"
Material Options	Multiple	Single	Multiple
Layer Thickness	.089 - .203 mm .0035" - .008"	.089 - .102 mm .0035" - .004"	.089 - .203 mm .0035" - .008"

Bringing it All Together



- Now bring 3D concepts to full-color life easier and more affordably than ever, with in-house 3D models
- It's fast. Automated. And office-friendly
- It's the ZPrinter 450 from Z Corporation, the leader in 3D printers and scanners, and maker of the industry's only color 3D printers



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For More Information

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