

# FIRSTLOOK

SMART PRODUCTS AND TECHNICAL TOOLS FOR ENGINEERS



## ▲ Affordable Printing

**Z Corporation** has released the ZPrinter 450, a color 3D printer priced less than \$40,000. The full-color printer transforms electronic 3D data into hand-held physical models (*Shown, with printer*). The ZPrinter 450's features include:

- **Automated operation:** The printer is designed to simplify the 3D printing process with automated operation.. New features include automatic setup, powder loading and self-monitoring of materials and print status.
- **Time saving:** Automated operation and new quick-change material cartridges reduce touch time by 40 percent.
- **Office friendliness:** It is quiet, uses safe build materials, employs "negative pressure" and a closed loop system to contain airborne particles, and produces zero liquid waste.
- **Desktop and printer control:** Users can control the printer from either the desktop or 3D printer itself. ZPrint software lets users monitor powder, binder and ink levels from their desktops.

## High Volumes; Fast Shut-Off ▶

**Sealant Equipment & Engineering Inc.'s** Model 2200-033-011 Automatic Snuf-Bak Dispense Valve is suitable for high volume fluid control and fast shut-off of viscous materials such as polyurethanes, epoxies, silicones, greases and various cohesive (stringy) and thixotropic adhesives and sealants. The pneumatically actuated valve opens and closes its material passage in the base of the nozzle adapter to precisely start and stop material flow. The needle pulls backward during shut-off which quickly breaks the flow of material to prevent stringing.

