Objet Eden500V
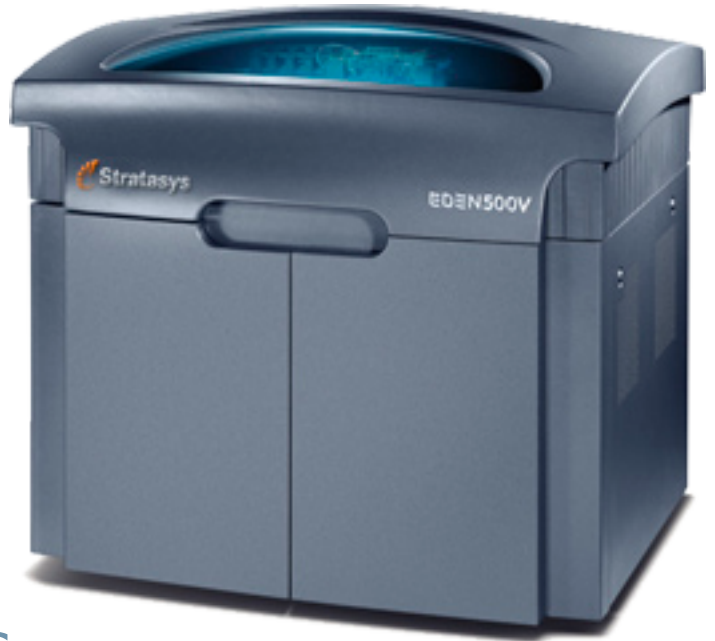
hroughout the design process, Objet Eden 3D Printers create accurate prototypes quickly and cost-effectively. Design of the SET, engineering and manufacturing teams are using Objet Eden 3D Printers to bring their designs to life, speed development, and eliminate costly manufacturing errors.

Objet Eden500V Printer Specs

Model materials	■ Transparent rigid (VeroClear) ■ Rubber-like (Tango family) ■ Transparent general-purpose (FullCure RGD720) ■ Rigid Opaque (Vero family) ■ Polypropylene-like (DurusWhite) ■ High Temperature (RGD525)
Support material	FullCure 705 non-toxic gel-like photopolymer support
Material cartridges	Sealed four 3.6 Kg (four 7.9 lbs) cartridges
Tray size	500 × 400 × 200 mm (19.7 × 15.7 × 7.9 in.)
Net build size	490 × 390 × 200 mm (19.3 × 15.35 × 7.9 in.)
Layer thickness	Horizontal build layers down to 16-microns (0.0006 in.)
Build resolution	X-axis: 600 dpi; Y-axis: 600 dpi; Z-axis: 1600 dpi
Accuracy	20-85 um for features below 50mm; up to 200 um for full model size (for rigid materials only, depending on geometry, build parameters and model orientation)
Workstation compatibility	Windows 7 32/64-bit
Network connectivity	LAN TCP/IP
Size and weight	1,320 × 990 × 1,200 mm (52.0 × 39.0 × 47.25 in.)、410kg (902lbs)
Jetting heads	SHR (Single Head Replacement), 8 units
Power Requirements	110–240 VAC 50/60 Hz; 1.5 KW single phase
Operational Environment	Temperature 18 C-25 C (64 F-77 F); relative humidity 30-70% (non-condensing)