stratasys

Objet260 and Objet500 Dental Selection

The most versatile dental 3D printers on the market.

The Objet260 and Objet500 Dental Selection™ are the only dental 3D printers to run on triple-jetting technology, which is PolyJet™ 3D Printing at its most advanced. They deliver:

- Lifelike color, texture and detail: 3D print rigid and gum-like features in a range of realistic tooth and gum shades

- Many materials in one job: Build multi-material dental models in one piece, or complete several small models from diverse materials in one unattended job

- Efficient workflow: Maximize uptime by running your three most-used materials simultaneously

The Objet260 and Objet500 Dental Selection support all Stratasys dental materials, plus an array of dental-specific palettes to produce lifelike colors and textures for teeth and gums. Create:

- Stone models for implant testing with gum-like texture for accurate functional evaluation

- Models with gum-like materials or a mix of rigid and gum-like components

- Jaw models printed directly from CBCT scan data with high-definition tooth, root and nerve canal anatomy rendered in contrasting materials

Objet260 Dental Selection: Achieve maximum versatility in a compact size.

Objet500 Dental Selection: Get all the capabilities of the Objet260 Dental Selection, plus a larger tray size.

Integrate the Dental Selection 3D Printers into your dental or orthodontic lab experience:

Increased productivity and capacity.

- Dramatically cut production time with a 3D printer that can multi-task by building diverse models on one tray and manage multiple materials at once

- Increase unattended run time with fewer material changeovers

- Support all open format color intraoral scanners

Realistic accuracy and detail.

- Choose from two support material options: SUP705™, which is easily removed with a WaterJet; and SUP706B™, which is both easily removed by a WaterJet and soluble for automated post-processing and increased geometric freedom to print complex and delicate features and small cavities

- Unprecedented realism in look and feel with lifelike gum textures for precise evaluation

- Wide range of shades for customized color matching

Ease of use.

- No digital design knowledge required

- Clean, quiet process

Environmentally safe dental materials.

- Build models with easy-to-handle materials that pose no biohazard safety or disposal concerns

- Choose biocompatible-approved SUP706B support material for use with other PolyJet biocompatible materials

Objet260 and Objet500 Dental Selection

System Specifications		
Model Materials	Clear Biocompatible (MED610™), Flexible Biocompatible (MED625FLX™), Biocompatible VeroGlaze™ (MED620), VeroDent™ (MED670), VeroDentPlus™ (MED690), VeroWhite™, VeroMagenta™, VeroYellow™, TangoPlus™, TangoBlackPlus™, Range of gum-like Digital Materials, Digital Materials in a range of natural tooth shades	
Support Material	SUP705 (WaterJet removable), SUP706B (soluble)	
Maximum Build Size (XYZ)	**Objet260:** 255 x 252 x 200 mm (10.0 x 9.9 x 7.9 in.)	
	Objet500: 490 x 390 x 200 mm (19.3 x 15.4 x 7.9 in.)	
Minimum Layer Thickness	Horizontal build layers as fine as 16 microns (.0006 in.)	
Build Modes	**High quality:** 16-micron (.0006 in.) resolution	
	High speed: 28-micron (.0011 in.) resolution	
Software	Objet Studio™ intuitive 3D printing software	
Workstation Compatibility	Windows 7/Windows 8	
Network Connectivity	LAN – TCP/IP	
System Size and Weight	**Objet260:**	**Objet260:**
	870 x 735 x 1200 mm (34.3 x 28.9 x 47.2 in.);	264 kg (582 lbs.)
	Material Cabinet:	Material Cabinet:
	330 x 1170 x 640 mm (13 x 46.1 x 26.2 in.)	76 kg (168 lbs.)
	Objet500:	**Objet500:**
	1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.3 in.)	430 kg (948 lbs.)
	Material Cabinet:	Material Cabinet:
	330 x 1170 x 640 mm (13 x 46.1 x 26.2 in.)	76 kg (168 lbs.)
Operating Conditions	Temperature 18 – 25 °C (64 – 77 °F); relative humidity 30 – 70% (non-condensing)	
Power Requirements	110–240 VAC 50/60 Hz; 1.5 kW single phase	
Regulatory Compliance	CE, FCC	