

Description:

### **Building life-size models using a variety of materials**

Objet Connex 3D printers are precision tools for creative design and creation of uniquely realistic models, parts and prototypes. The Connex 1000 is a leader when it comes to prototype accuracy. The wide-format printer combines large dimensions with highly accurate surfaces. The Connex 1000 offers enormous workspace, high productivity and virtually endless possibilities for more than 100 materials.

The Connex1000 is very easy to use and can operate for extended periods of time unattended, and is perfectly suited for the automotive, mechanical, aerospace, and military industries, as well as other industries such as consumer goods and home appliances. Like all Objet Connex 3D printers, it combines precision and detail with materials and its features. Unlike other 3D printers of this size, the Objet1000 is equally adept at printing large and small models without compromising on accuracy. It can print both heavy 1:1 parts that can be drilled, assembled, and screwed together, as well as small parts that are almost impossible to distinguish from the final product.

### **Large-scale prototypes without loss of accuracy**

The Objet Connex 1000 is a multi-material, wide-format 3D printer for the rapid creation of large industrial models, 1:1 scale prototypes, and small parts that are virtually indistinguishable from the final product. The extremely large work tray: 1000 x 800 x 500 mm (39.3 x 31.4 x 19.6 in.), allows designers, engineers and manufacturers to quickly prototype any 3D CAD design, regardless of complexity or detail.

### **Materials**

Based on efficient photopolymer jetting technology, the Objet1000 combines the advanced precision of PolyJet 3D printing with the renowned multi-material capability. Connex technology offers a choice of over 100 materials, including those that simulate ABS plastics. As a result, up to 14 materials can be used within a single model, resulting in a highly accurate look and feel of your intended final product.

### **Specifications**

Multi-material printing eliminates the need to reassemble parts of the model once they are completed,  
saves time and allows you to work on several requirements simultaneously,  
High resolution printing: 16/30 micron layer thickness, X/Y/Z resolution: 600/600/1600 DPI,  
printing thin walls up to 0.6 mm thick  
large-size tray 1000 x 800 x 500 mm - printing large/many small parts,  
maximum model weight on the tray: 200 kg,  
reliability and durability - at least 72 hours of non-stop printing,  
supported formats: STL, OBJDF, SLC,  
System compatibility: Windows 7 64 bit,  
immediate use - 3D models can be manipulated immediately after the print job is completed,  
  
dimensions, weight: 2800 × 1800 × 1800 mm, 1950kg.