



## **IX STL Rapid Prototyping** **Fast and Accurate Rapid Prototyping**

IX STL Rapid Prototyping creates STL files in a fast and accurate way by tessellation of CAD data. It allows the import of existing STL files, the display of meshes and the analysis of their quality. The product offers basic tools to improve the quality of meshes by removing and reorganizing triangles. In addition, it allows the creation of thin offsets to obtain a watertight solid. The meshes can be exported as a standard binary STL file for rapid prototyping machines.

### **Features:**

- Creation of STL files from CAD data or IX V5 parts
- Accurate tessellation with control of the sag value and maximum length of edges
- Import of existing STL files in binary or ASCII format
- Check the quality of existing meshes
- Basic tools to repair and modify meshes
- Export of standard binary STL file

### **Key Benefits:**

**Accurate tessellation.** IX STL allows you to tessellate CAD data while controlling the sag value and the maximum length of edges. You can obtain high quality meshes with a drastically reduced process duration.

**STL import.** Import of existing STL files in binary or ASCII format is supported. You can view, check, repair and modify the imported meshes.

**Checking mesh quality.** Various display options allow you to apply flat or smooth shading to meshes or to visualize their free edges and nonmanifold edges.

**Modification of meshes.** IX STL enables you to improve meshes by removing or reorganizing triangles to redesign sharp edges or fillets so that the geometrical shape is maintained.

**Thin offset creation.** IX STL supports the fast and easy creation of a thin offset of a mesh with the option to obtain a watertight solid. This functionality allows you to generate machinable mock-ups from surface geometry.

**STL export.** STL output can be exported in standard binary format in order to feed rapid prototyping machines.

**Prerequisite:** IX Design V5

### **Contact ImpactXoft**

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