



Geomagic Design X

Geomagic Design X Editions

Geomagic Design X offers two editions to best fit your reverse engineering needs.

| Feature | Design X Essentials | Design X |
|--|---------------------|----------|
| Import neutral file formats | • | • |
| Extract sectional polylines or silhouette polylines from mesh or point cloud | • | • |
| Create sketch entities based on extracted polylines | • | • |
| Create 3D sketch entities | • | • |
| Mesh processing tools | • | • |
| Create reference geometry | • | • |
| Create solid bodies | • | • |
| Create surface bodies | • | • |
| Basic modeling features | • | • |
| Manual region creation tools | • | • |
| Align meshes or point clouds to other meshes or point clouds | • | • |
| Interactively align mesh using multiple methods | • | • |
| Measurements between entities | • | • |
| Real-time deviation analysis to compare bodies, curves, sketches or meshes with a base ent | • | • |
| Basic selection tools | • | • |
| Automatically create curve networks on the mesh and fit surface patches | • | • |
| Native CAD Importer/Exporter | | • |
| Automatically create sketch entities from section of meshes and point clouds | | • |
| Create 2D sketch independent of a section of meshes and point clouds | | • |
| Create more types of 2D and 3D sketch entities | | • |
| 3D Sketch on the Mesh | | • |
| Wizard for creating mesh models from multiple raw 3D scan data | | • |
| Advanced mesh processing tools | | • |
| Wizard to align a mesh to a desired set of coordinates | | • |
| Automatic alignment methods | | • |
| Transfer design and feature tree to standard CAD software products | | • |
| Plan a series of commands with parameters and run them | | • |
| Execute a series of jobs on a computer without manual intervention | | • |

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| Selection techniques based on model properties | | • |
| Automatically create features from a mesh using Modeling Wizard | | • |
| Reform features on an existing design based on reference scan data | | • |
| Advanced surface modeling tools | | • |
| Body/Face editing tools | | • |
| Create surface for a specific portion of the mesh using Auto-Surface | | • |
| Extract a high-quality freeform surface body from a complex mesh | | • |
| Portable metrology device support and tools | | • |
| Direct plugin scanning | | • |
| Automatically classify feature regions by recognizing 3D features from scan data | | • |
| Automatic region modification tools | | • |
| Process point clouds and convert them to a mesh | | • |
| Edit and manage colors and textures on a mesh or point cloud | | • |
| Detect defects on solid and surface bodies | | • |
| Check deviation between meshes and point clouds | | • |

Get In Touch

Contact us for a demo at hello@oqton.com

