





IRAZU CREATOR

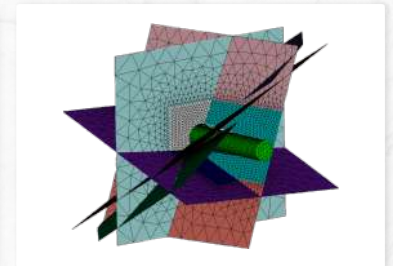
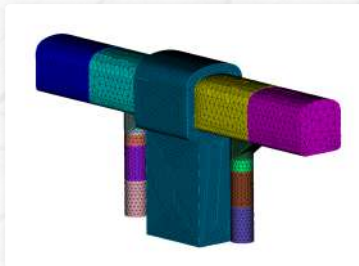
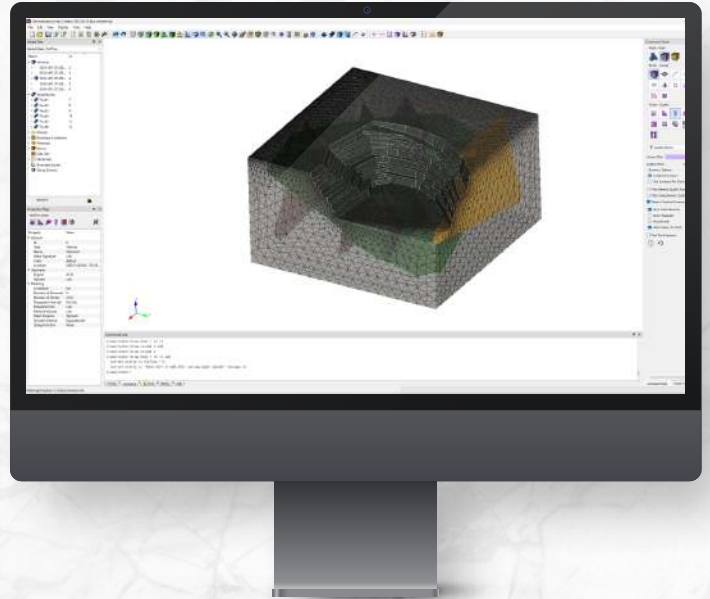
ROBUST  FLEXIBLE  POWERFUL

IRAZU CREATOR

Irazu Creator is a powerful 2D and 3D pre-processing and meshing tool with comprehensive CAD functionality, geometry healing, and robust meshing capabilities.

Irazu Creator's pre-processing and advanced meshing capabilities minimize the time spent on model preparation while maximizing control over mesh quality. Irazu Creator will construct the right mesh for quality solutions allowing you to maximize your investment in simulation technology.

Streamline CAD to analysis with automated tools for geometry cleanup, mesh generation, and optimization in a user-friendly interface.



LICENSING

LEASE

Leased annually.
Includes maintenance.

PERPETUAL

Purchased outright. Includes one year of maintenance.

FLOATING

Installed on a given number of computers with the license file on a server.

NODE-LOCKED

Locked to one computer.



HIGHLIGHTS

COMPREHENSIVE TOOLSET

- ▶ **Create / modify geometry**
Solid geometry creation, CAD import, and modification tools, including Boolean operations.
 - ▶ **Auto-heal dirty CAD**
Geometry analysis and repair tools to fix geometric and topological errors from imported CAD by trimming, stitching, and rebuilding.
 - ▶ **Imprint & merge**
Unique interactive tools to enable efficient and robust conformal meshing of multi-volume assemblies.
 - ▶ **Smart defeaturing**
User-guided, automated routines for detecting and removing sliver curves and surfaces.
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ADVANCED MESHING

- ▶ **Robust meshing**
Irazu Creator supplies a comprehensive meshing feature-set for surface and solid meshing and methods for automating and streamlining mesh creation.
 - ▶ **Battle-tested algorithms**
Multi-scheme automatic triangular and tetrahedral mesh generation algorithms leveraging industry standard Distene MeshGems, Delaunay, and advancing front algorithms.
 - ▶ **Smart controls**
User-guided adaptive or fully automatic interval sizing and scheme selection. Industry-leading capabilities for specifying mesh properties, analyzing mesh quality, and performing precise local or global mesh modifications.
 - ▶ **Grouping mesh entities**
Tools to customize the definition of element and node sets that facilitate the assignment of material properties, boundary conditions, and DFN in Irazu.
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SCRIPTING & AUTOMATION

- ▶ **Replayable journal files**
All GUI input is automatically echoed to the command line and saved as an editable, replayable journal file.
- ▶ **Python scripting**
Scripting functionality is available directly via the command line with a built-in Python interpreter, or via file input for batch mode operation.
- ▶ **Customization**
Journaled command sequences and Python scripts can be launched with user-created, importable custom command buttons and toolbars.
- ▶ **Provided examples**
Quickly get started with example journal files (scripts) of common rock engineering problems.
- ▶ **Integration via SDK**
Available SDK allows deep customization for seamless custom workflow integration via Python or C++.



INNOVATION — THROUGH — SIMULATION



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