

Standard ver.	➤ Geometry Modeller • Import CAD File (Parasolid, DXF, DWG, MXT(midas GEN/CIVIL)) • Point/Curve/Surface/Solid/Advanced Modelling • Bedding Plane Wizard (3D Ground Stratigraphy from Borehole Data) • Terrain Geometry Maker (TGM) ➤ Element Library • 1D Type (Truss/Embedded Truss/Beam/Pile/Geogrid) • 2D Type (Shell/Plane Stress/Plane Strain/Geogrid/Gauging Shell/Axisymmetric) • 3D Type (Tetrahedron/Pyramid/Wedge/Hexahedron) • Other Type (Spring/Interface/Shell Interface/Link/Pile Tip) • Bonded Contact Element ➤ Mesh Generation (Auto/Map/Hybrid/Protrude Mesh Generation) ➤ Material Models • Linear Elastic • Orthotropic (Transversely Isotropic/Jointed Rock Mass) • Elasto-plastic (Tresca/von Mises/Mohr-Coulomb/Drucker-Prager/Hoek-Brown/Modified Cam-Clay/Jardine(London clay)/Modified Mohr-Coulomb) • Nonlinear Elastic (Hyperbolic(Duncan-Chang)/D-Min) • Strain Softening • User supplied material for Plane Strain, Shell Joints and Volumetric Elements • Elastic/Coulomb Friction Interface ➤ Analysis Capabilities (64bit/GPU Solver, Batch Analysis and Parametric Analysis) • Static Analysis (Linear, Nonlinear) • Construction Stage Analysis (Drained, Undrained) ➤ Wizard (Tunnel/Anchor Modelling Wizard) ➤ Post-Processing • Contour/Vector/Diagram Plots • Advanced Features (Probe/Multi Step Iso Surface/Extract/Cutting Diagram/Others) • 3D Dynamic PDF Report
Full ver.	➤ Geometry Modeller • Import CAD File (Parasolid, DXF, DWG, MXT(midas GEN/CIVIL)) • Point/Curve/Surface/Solid/Advanced Modelling • Bedding Plane Wizard (3D Ground Stratigraphy from Borehole Data) • Terrain Geometry Maker (TGM) ➤ Element Library • 1D Type (Truss/Embedded Truss/Beam/Pile/Geogrid) • 2D Type (Shell/Plane Stress/Plane Strain/Geogrid/Gauging Shell/Axisymmetric) • 3D Type (Tetrahedron/Pyramid/Wedge/Hexahedron) • Other Type (Spring/Interface/Shell Interface/Link/Pile Tip) • Bonded Contact Element ➤ Mesh Generation (Auto/Map/Hybrid/Protrude Mesh Generation) ➤ Material Models • Linear Elastic • Orthotropic (Transversely Isotropic/Jointed Rock Mass) • Elasto-plastic (Tresca/von Mises/Mohr-Coulomb/Drucker-Prager/Hoek-Brown/Modified Cam-Clay/Jardine(London clay)/Modified Mohr-Coulomb) • Nonlinear Elastic (Hyperbolic(Duncan-Chang)/D-Min) • Strain Softening

- User supplied material for Plane Strain, Shell Joints and Volumetric Elements
- Elastic/Coulomb Friction Interface
- **Analysis Capabilities** (64bit/GPU Solver, Batch Analysis and Parametric Analysis)
 - Static Analysis (Linear, Nonlinear)
 - Construction Stage Analysis (Drained, Undrained)
- **Wizard** (Tunnel/Anchor Modelling Wizard)
- **Post-Processing**
 - Contour/Vector/Diagram Plots
 - Advanced Features (Probe/Multi Step Iso Surface/Extract/Cutting Diagram/Others)
 - 3D Dynamic PDF Report
- **Slope Stability Analysis**
 - Strength Reduction Method (SRM)
 - Stress Analysis Method (SAM)
 - Construction Stage Analysis
- **Seepage Analysis**
 - Steady-State Analysis
 - Transient Analysis
 - Sequential Seepage-Stress Analysis
 - Construction Stage Analysis
- **Consolidation Analysis**
 - Coupled Seepage-Stress Analysis (Static Boundary Conditions)
 - Construction Stage Analysis
- **Dynamic Analysis**
 - 1D Ground Response Analysis
 - 2D Equivalent Linear Analysis
 - Eigenvalue Analysis
 - Response Spectrum Analysis
 - Time History Analysis (Linear, Nonlinear)
 - Nonlinear Time History Analysis with SRM
- **Fully Coupled Analysis**
 - Fully Coupled Stress-Seepage Analysis (Transient Boundary Conditions)
 - Construction Stage Analysis