

# MINESIGHT® CORE

## THE FOUNDATION FOR ALL MINESIGHT PACKAGES

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### OVERVIEW

MineSight Packages begin with MineSight Core. MineSight Core supplies functions for creating, managing, manipulating, and displaying MineSight data.

### KEY PRODUCTS

#### ⊙ MINESIGHT 3D CORE:

MineSight 3D visualizes output from MS3D and other MineSight products. Core functionality includes creating and manipulating 2D and 3D data, editing, querying, and plotting/display of all types of geology and mining data.

#### ⊙ MINESIGHT DART:

MSDART processes large ASCII files and formats them for input into MineSight. Manipulate the data by translating, sorting, reblocking, or performing calculations on the values.

#### ⊙ MINESIGHT BASIS CORE:

MineSight Basis is a collection of programs and procedures for manipulating MineSight files. Core functionality includes compositing and reserves calculations.

#### ⊙ MINESIGHT COMPASS:

MineSight Compass creates and manages MineSight files and also serves as a menu interface to MineSight Basis programs and procedures. MSCompass runs customizable procedures that display a series of panels for entering input to the programs.

D A T A S H E E T

### KEY FEATURES

#### ⊙ VISUALIZATION

- > Full 3D graphics display of.
  - Drillholes
  - Models
  - Geometry and labels
  - Geologic interpretations
  - Mine designs
  - Survey pickups
  - Topography
- > Instant 2D data display
- > Fence diagrams
- > Simultaneous display in multiple viewers
- > Snapping modes

- > Query functions
- > WYSIWYG plotting with customizable legends and title blocks
- > Photo overlays on surfaces
- > Fill drillhole intervals, polygons, and surfaces with customizable geologic patterns
- > Walk-through and AVI generation

#### ⊙ GEOMETRY

- > Basic CAD functions
- > Geometry can be attributed with user-defined attributes
- > Digitize geometry

- > Attach shape templates to polylines
- > Drape points and lines to surfaces
- > Extrude polygons into solids
- > Compute volumes of solids or between surfaces
- > Slice solids/drillholes into 2D
- > Import/export
  - ASCII Survey
  - DXF
  - ArcView Shape files
  - Other vendors (Gemcom, Vulcan ) (import only)

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## MORE KEY PRODUCTS

### ⊙ DRILLHOLES

- > Create drillhole views
- > Query and manage drillholes
- > Filter drillhole display
- > Advanced 2D and 3D display features
- > Geotech display: rose diagrams, histograms, color strips, dip meters
- > Drillhole design tool for exploration and production
- > Compositing

### ⊙ MODELING

- > 3D block, stratigraphic, surface modeling
- > Rotated models
- > Grade shells (3D isocontour)
- > Display models in 2D or 3D as surfaces, blocks, polygons, or contours
- > Label/color/hatch displays
- > Range on location and items
- > Display exposed ore on surface

### ⊙ RESERVES

- > Reserves from 3D block or stratigraphic models
- > Incremental reserves
- > Geological in-situ resource reporting
- > Reserve reporting by mining shape

- > Open pit, underground, and coal reporting
- > Partials file generation in a solid or between surfaces
- > Multiple polygonal boundary limiting
- > Selectable reserves-computing application

### ⊙ FILE CREATION AND MANIPULATION

- > Create MineSight files: assay, survey, composite, and 3D block, stratigraphic, and surface model files
- > Rotated models
- > Clone MineSight files and add or edit item descriptors
- > Choose MSBasis programs via customizable menus
- > Filter MSBasis programs by function and type
- > Chained workflow via multi-run processing

- > Define program parameters by entering responses in panels
- > Prefilled responses for existing projects
- > Manage responses
- > Detailed help
- > Load and manipulate project data
- > User-customized calculations

### ⊙ DATA MANIPULATION

- > Scripting
- > Import, export, edit, and report file data
- > Format and sort large ASCII files
- > Change project coordinates
- > Rotate models in 2D or 3D
- > Reblocking
- > Translation
- > Compute new values

