



Gemcom Minex™ Modules

STANDARD FEATURES		
Graphics		Sophisticated and powerful 3-D modelling environment.
Plotting		Create, preview, annotate and print user-defined plan and section plots from grids, triangles and boreholes.
Surface Modelling		Create triangles and grids and calculate volumes.
CAD Tools		Create and work with point and line data.
OPTIONAL MODULES		
GEOLOGY	Borehole Database and Seam Modelling	Load boreholes from ASCII, ODBC or acQuire™. Interpolate missing data and automatic generation of multiple seam grids. Resource classification and calculations (quality, depth, thickness and distance).
	Coal Washability	Store coal wash data based on wash density and particle sizing. Accumulate data for a wash density or target ash. Report wash data and upload product specifications for modelling.
	Fault Modelling	Comprehensive fault modelling tool that handles reverse and normal faulting.
	Geostatistics	Tools for trend analysis, variogram modelling and validation.
OPEN PIT PLANNING	Open Pit Design and Reserves	Design pits with strip and block divisions and generate reserves from a seam model. Adjust the reserves for mining dilution, seam combining and seam wasting by thickness.
	Pit Optimiser	Use industry standard Lerchs Grossmann algorithm to generate optimum pits from an unfaulted or faulted Minex geological model.
	Open Pit Drill and Blast	Layout blasthole patterns.
	Open Pit Surveying	Connect to survey instruments to collect and manage topography data.
	Open Pit Earth Works	Design dumps and roads and rehabilitate dumps using cross sections.
	Spoil Reshaper	Reshape dump surfaces to minimise dozer push distance.
	Seam Model Operations	Manipulate a seam model to create strip ratio, total product and other advanced model functions. (Included with Borehole Database and Seam Modelling, and Open Pit Design and Reserves).
	Open Pit Scheduling	Schedule an open pit mine using simple targeting or detailed equipment scheduling.

For more information email minex@gemcomsoftware.com.

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