



## Gemcom Minex™ Modules

STANDARD FEATURES		
<b>Graphics</b>		Sophisticated and powerful 3-D modelling environment.
<b>Plotting</b>		Create, preview, annotate and print user-defined plan and section plots from grids, triangles and boreholes.
<b>Surface Modelling</b>		Create triangles and grids and calculate volumes.
<b>CAD Tools</b>		Create and work with point and line data.

  

OPTIONAL MODULES		
<b>GEOLOGY</b>	<b>Borehole Database and Seam Modelling</b>	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).
	<b>Coal Washability</b>	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.
	<b>Fault Modelling</b>	Comprehensive fault modelling tool that handles reverse and normal faulting.
	<b>Geostatistics</b>	Tools for trend analysis, variogram modelling and validation.
<b>OPEN PIT PLANNING</b>	<b>Open Pit Design and Reserves</b>	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.
	<b>Pit Optimiser</b>	Use industry standard Lerchs Grossmann algorithm to generate optimum pits from an unfaulted or faulted Minex geological model.
	<b>Open Pit Drill and Blast</b>	Layout blasthole patterns.
	<b>Open Pit Surveying</b>	Connect to survey instruments to collect and manage topography data.
	<b>Open Pit Earth Works</b>	Design dumps and roads and rehabilitate dumps using cross sections.
	<b>Spoil Reshaper</b>	Reshape dump surfaces to minimise dozer push distance.
	<b>Seam Model Operations</b>	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).
	<b>Open Pit Scheduling</b>	Schedule an open pit mine using simple targeting or detailed equipment scheduling.

For more information email [minex@gemcomsoftware.com](mailto:minex@gemcomsoftware.com).

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