



DATAMINE

Release Notes

Amine and CAD Plug-In 2.3

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Overview

Amine has been developed with the purpose of providing underground mine surveyors with the tools and work flows they need to maintain the most efficient and time effective work standards, while also fulfilling site requirements.

Amine has been designed to be customisable to each mine site so that it easily and seamlessly blends in with your current processes with minimal disruption. It is flexible enough to be used for any commodity, ore body and mining method. Amine is intuitive enough for you to easily learn and adopt because it is based on the widely used Autodesk software.

Standardised workflows within Amine allow the mine surveyor to be more efficient in reporting on surveys and reduces the time taken to produce survey work instructions. The standardised and automated processes give you peace of mind because they reduce the potential for human error.

Further Information

This document includes release notes for Amine and CAD Plug-In 2.3.

Release notes for other versions of Amine are available via the Support Portal <https://www.dataminesoftware.com/support/>.

Amine and CAD Plug-in 2.3

New Features

3D Traverse

Calculate a 3D traverse and generate a report.

Bearing Intersection

Calculate and plot pegs from given bearings out of two existing stations.

GeoMapping Tool

Use the new Amine GeoMapping tool to access site-specific geology profiles. These profiles are for lithology hatching, geology contacts and geology symbols.

Site administrators can use the new Mapping Configuration tool to add, remove or modify the profiles based on site-specific requirements.

Shotcrete

Auto select the lowest or highest points from shotcrete point data during the process of outline creation.

Workflow adjustments display meshing outcomes in a separate panel.

Users are asked to select a reference station only if it is required.

Reduced the number of steps in picking shotcrete start and end points to two.

Set a default shotcrete offset distance to 0.2 meters when using the points-only approach.

The user-defined slicing interval distance can now be modified in the prompt.

Contour Outlines

Generate contour lines from a closed 3D polyline, from point clouds and add annotation text on the current User Coordinate System view.

Booked Meters

Book mining meters in a separate application, which will allow easy reporting in the End of Month process of the accumulated booked meters in a selected reported date range.

Room and Pillar Compliance Plot

Create room and pillar compliance plots.

License Warning

Users will now receive a warning message if the Datamine License Manager is not installed, or if Amine licenses are not available for use.

Amine Palette

There is a new option to utilize the Amine Palette to display layers and layers status, rather than the AutoCAD layers palette.

Enhancements

Production Modeling

Export solids using SUBDMESH for a quicker way to produce volumetric calculations.

MineGrid

The base and insert points for a vertical title block are now at the bottom-right of the title block.

DM File Creation

Saving layers will automatically create DM (Datamine) files if it is configured to save DM files for points, strings, and solids.

Amine Palette

Upon Amine startup, the Amine Palette automatically loads.

Drive Name Concatenation

Set up and choose a drive name concatenation grouping format before importing a DM file. You can also customize the drive name concatenation separator when importing DM files.

Multiple Solids

Create multiple separate solids by selecting multiple separate point groups.

Solid Creation

Robust crust will use SUBDMESH to create a solid by utilizing more points.

Saving Layers

Save and check layers by selecting objects in the viewer.

Added units

Added unit of volume to measurement prompts. (Example solid volumes: m³, cm³, ft³)

Filtering Stations

Ability to apply an optional filter on stations by mine name and level.

Compliance Plotting

Increased the slicing plane width and height to avoid slicing failure. The user is warned if the specified start or end point is outside of the surveyed or planned solid.

Meshing

Integrated the pillar solid creation function into a single button.

Improvements made in handling single back or floor point before creating a solid. The pillar solid creation process applies the missing face repair algorithms.

Value Missing Reminder

A warning displays if the width of the value is missing from the centerline attributes.

Defect Fixes

Peg Calculation

Corrections made in the new peg coordinate calculations and angle formatting style.

Contour Lines

Fix on contour lines from stop outline.

Bearing Calculations

Fix in bearing calculations.

Drive Value Type

Fix when trying to save the wrong value type to the drive value type table.

Offsets

Fix when offsetting a closed polyline and when plotting calculated offsets.

Removing Vertex along Centerline

Fixed the hard crash when removing a vertex along a centerline.

Polyline Detailing

Fix in auto-created outlines when adding points for long segments.



DATAMINE

Datamine enables efficient and sustainable mining through the application of world-leading technology and services.

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