



Strategic Schedule Optimization

# MINEMAX SCHEDULER

**Release  
Notes**

**Minemax Scheduler 7.7.2**



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# Overview

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Minemax Scheduler is a best-in-class mine schedule optimization software solution designed for strategic and long-term mine planners in open-pit operations. It simultaneously optimizes mine schedules, processing, blending, waste dump sequencing, trucking, and capital expenditure decisions to deliver optimal strategic mine plans that meet all project constraints. With its flexible decision modelling and powerful optimization capabilities, Minemax Scheduler maximizes net present value (NPV) and supports sound capital investment decisions. Trusted for over 25 years, it helps mine planners be productive and deliver feasible strategic plans by incorporating all aspects of mining into a single optimization process.

## Further Information

This document includes release notes for Minemax Scheduler 7.7.

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



# Minemax Scheduler 7.7.2 Patch (February 2025)

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## Defect Fixes

**Pit Group Open/Close**—A critical error occurred while optimizing an existing schedule that had not utilized pit group open/close options, starting from a non-first period.

**Excluded Strings in Haulage**—Associated excluded strings were not removed when haulage string files were removed from the haulage configuration. Excluded strings are now supported when pasting configuration into the "ramp strings and exclusions" grid.

**Report Exporting Progress Dialog**—Clicking the report exporting progress dialog's close button did not cancel report exporting. Close button has been removed.

**3D Visualization Selection**—Fixed selection of elements in the 3D visualization that stopped working after updating the drivers of certain video cards.



# Minemax Scheduler 7.7.1 Patch (November 2024)

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## Defect Fixes

**Opening/Closure Costs Discounting**—Discounting was not correctly applied to location opening and closure costs.



# Minemax Scheduler 7.7 (October 2024)

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## Documentation

Documentation for Minemax Scheduler has been refreshed to use the Datamine branding. In addition to being available in the Minemax Scheduler software application, the help and release notes are online at <https://docs.dataminesoftware.com/Minemax/>.

## Constrain the Maximum Number of Pits and Pit Groups Open at the End of Each Period

A new feature has been introduced that allows users to limit the number of pits and pit groups that remain open at the end of each period. With this enhancement, you can control whether pits should be completely mined before new ones are started and ensure that all pits are fully mined by the end of the schedule. This leads to more practical strategic mining schedules.

## Pit and Pit Group Opening and Closure Costs

Minemax Scheduler now models the financial requirements needed to initiate mining operations in a pit through opening costs. Additionally, closure costs are accounted for, covering the expenses incurred to close a pit after it has been fully mined. This feature allows the optimizer to consider these costs, resulting in more robust strategic mining schedules.

## Bulk Export Reports for Multiple Scenarios

Users can now export reports for all or a selected subset of scenarios simultaneously, rather than exporting them one at a time. This enhancement saves time and significantly improves efficiency in report generation.

## Report Exporting Progress Indicator

A real-time progress indicator has been added to the report exporting process. This feature keeps users informed about the status of their report exports, enhancing the overall user experience.

## Ability to Cancel Report Exporting

Users now have the ability to cancel report exports if needed. This new functionality provides greater control and flexibility over the report exporting process.

## Spatial Constraint Table Report

A new report has been introduced that provides detailed insights into how the schedule is impacted by spatial constraints. This report offers a comprehensive view of spatial constraints and actuals.

## Bench Table Report Renamed to Pit Table Report

The Bench Table report has been renamed to the Pit Table report, with added options to report at both the pit and block levels. This enhancement provides more granular reporting options, enhancing data analysis capabilities.



## Improvements to the Dump Table Report

Several improvements have been made to the Dump Table report to enhance its usability. These enhancements allow for more detailed reporting of on-dump movements.

## Batch Optimizer Reporting

The Batch Optimizer now includes a feature that reports the periods (windows) being optimized during batch processing. This addition provides better insight into the progress of batch optimization.

## Exclude Roads from Haulage Network

Users now have the option to exclude roads from the haulage network for each pit and dump. This functionality allows users to exclude haul ramps that are not available when specific phases are mined, leading to more accurate cycle times.

## Review Downstream Process Quantities

A new feature has been added that allows users to review downstream process quantities for import mappings and reserves within the decision tree diagram. This improvement makes it easier to validate import mappings for downstream processes.

## Bulk Update Paths of Haulage String and Triangulation Files

Minemax Scheduler now supports bulk updating of paths for haulage string and triangulation files. This feature saves time and improves efficiency in managing haulage data.

## Material Imbalance Warnings

A new warning feature has been introduced to alert users of potential material imbalances when zero values are merged with non-zero values during reblocking for split destination processes. This helps prevent errors and ensures data integrity during reblocking.

## Filter Decision Tree Diagram Report by Location

Users can now filter the Decision Tree diagram report by location, allowing them to easily view downstream process values for specific pits and dumps, all pits and dumps, or all locations.

## Defect Fixes

**Invalid Horizontal Dump Cell Precedences**—A defect was identified where dependency loops could occur under certain circumstances when auto-generating horizontal dump cell precedences. This issue has been addressed to prevent such loops.

**Earliest Start for Waste Dumps**—The earliest start model pruning of waste dump cells was not as effective as intended. This defect has been corrected to ensure proper pruning.

**Microsoft OneDrive Corrupting Project Databases**—It was discovered that Microsoft OneDrive could corrupt the Microsoft SQL Server databases used to store Minemax Scheduler projects. As a resolution, warnings have been added when a Microsoft OneDrive folder is used as a project repository to prevent potential corruption.

**Poor Performance when Exporting Large Reports**—Performance issues were identified when exporting large tabular reports to Microsoft Excel, resulting in sub-optimal performance. These performance issues have been resolved to improve the export process.

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## Read the Docs

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