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EzyRings V1.07

Release Notes

15th March 2023

Version Highlights

System

New parameters added to reverse dip, dump, and bearing angles
New rig dump types added
     U 0 90 180 360 Clockwise
     U 0 90 180 360 Anticlockwise
Added support for the MS Access accdb file format
Updated PDF system libraries
Added support for the new Surpac DSLS licensing system

Sectioning

Slice table validated on apply now to prevent circular error messages.
When re-sectioning for 1 section the following section would be deleted
Problem with file browser in form tables is now fixed.
Open stope segments are now closed and not deleted

Database

Ability to copy a column or table to the system copy/paste buffer
Delay field in the database now supports non numeric names
The eye viewer was incorrect for reversed rings
Reverse bearing setting now reflected in viewer
Reverse dump setting now reflected in viewer
Was incorrectly joining closed shapes in the viewer
Last visited ring is now stored correctly when exiting the database
Corrected problems when opening a different database when in the database window.

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Upload

Upload ring would fail in later version of Surpac
Was not uploading the hole BT value
When uploading a ring multiple times it was possible to append data into the charging table.

Reports

Ability to insert reportable items anywhere on a report
New reportable items:
      hole_charged_length
      hole_uncharged_length
      hole_number_of_primers
      charge_no_primers
      ring_direction
      ring_view_direction
Fixed problem calculating number of primers per charge
Ring would sometimes appear out of scale on the plot
All closed segments made clockwise is to ensure polygon fills correctly
Angles now reported according to new reversed angles settings
Added ability to produce fully customised reports
Minovar export corrections
IREDES output for Sandvik corrections

Recommendations

The following versions of *Surpac* have been tested with *EzyRings* and appear to be stable;
- Surpac 2019 (V7.0)
- Surpac 2020 (V7.2)
- Surpac 2021 (V7.4)
- Surpac 2021 (V7.4)
- Surpac 2022 (V7.5)

Surpac 2020.1 (V7.3) has issues drawing the drilling mast and is not recommended for EzyRings.

Surpac versions from V7.0 to V7.5 have an issue with sizing buttons and images on forms. This only affects the aesthetics of the forms and not functionality. This issue has been rectified in the upcoming release.

MINE SOLUTIONS

⚙️ System

New parameters have been added to allow the dip, dump, and bearing angles to be reversed when the drilling direction on a ring is reversed. Note that it is only the reported angles on plots that change; the original angles remain the same in the database.
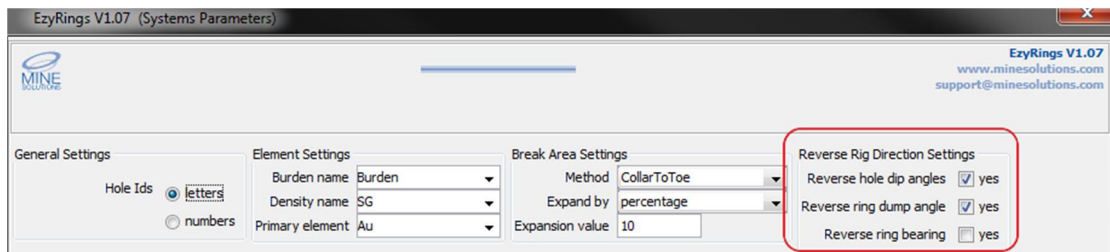
New rig dump types have been added to cater for new drill rigs.
U 0 90 180 360 Clockwise
U 0 90 180 360 Anticlockwise
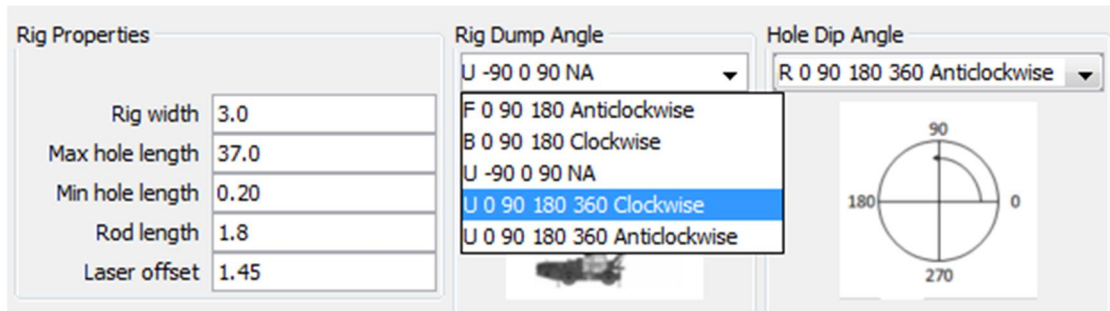
Added support for the *MS Access* accdb file format. Previously only the old mdb format was supported.

The third party PDF system dll's have been updated.

DS Geovia have implemented a new licensing system called the DSLS that no longer requires a physical sentinel (local or network). Support for this new system has been implemented.

Sectioning

When entering slicing details into the slice table it was possible to get caught in an endless validation loop. Changes have been made so that the table is now validated once the form is applied. Any errors will be shown at that point.

When performing a re-sectioning for one section the following section would be deleted. Ie if you re-sectioned slice 10 then slice 11 would be deleted. This has now been rectified.

A problem with file browser in form tables not working has been fixed.

As part of the section clean-up process in sectioning any open stope segments where deleted. This could cause valid shapes to be missing from the section. Any open stope segments are now automatically closed and not deleted

Upload

The upload ring could fail in later versions of Surpac. This issue has been fixed.

When saving a ring to the database the hole break-thru values where not being uploaded. This has now been rectified.

When uploading a ring multiple times it was possible to append data into the charging table. This will no longer happen.

Database

A new feature that allows you to copy the contents of a column in the database or the entire table has been added. The contents is copied to the system paste buffer which then allows you to paste the information into Excel or any other program.

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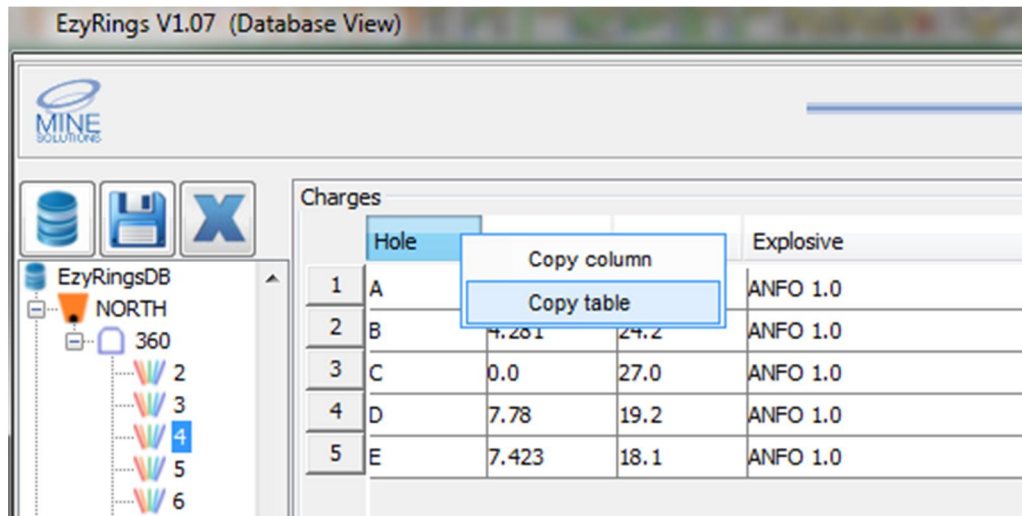
Note that you must click on a column heading in order to bring up the copy popup menu.

The delay field in the charging table now supports non numeric names. For existing databases the schema must be changed to allow this. Please contact support@minesolutions.com for instructions on how to achieve this.

The viewer window in the database was incorrectly joining closed shapes resulting in a mishmash of lines. This has now been rectified such that the ring view reflects the same as the design view.

The reverse bearing and reverse dump settings are now reflected correctly in the viewer.

The eye in the view direction icon was incorrect for reversed rings.

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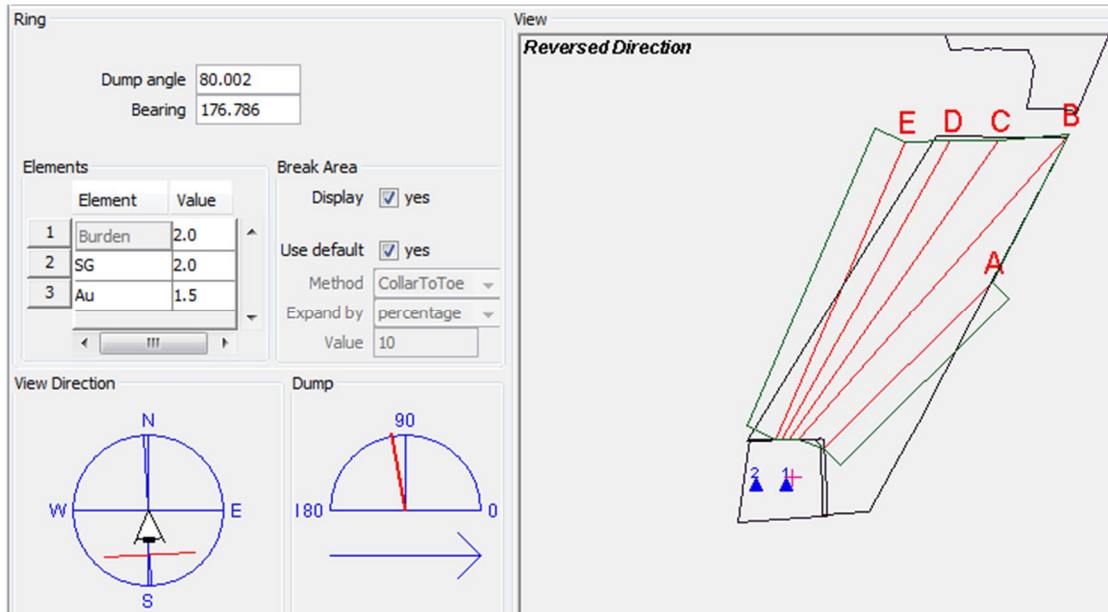
The last visited ring is now stored correctly when exiting the database. Previously this information was lost.

When in database window if an attempt to open another database was made, the system would crash. This issue has been fixed.

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Reporting

The ability to insert reportable items, text, and images anywhere on a report has been created. This is done in the report designer under the Text and Images tab. The X position and Y position are given in centimetres measured from the lower left corner of the plot border. See the numbered items below and cross reference with the plot provided on the following page.

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A number of new reportable items have also been included as follows:

- hole_charged_length
    - The number of charge segments applied to the hole
- hole_uncharged_length
    - The total number of primers used in the hole
- hole_number_of_primers
    - The total number of primers used in the hole
- charge_no_primers
    - The number of primers used in the charge segment
- ring_direction
    - A literal description of the ring direction, i.e Design direction or Reversed direction
- ring_view_direction
    - A literal description of the ring viewing direction (bearing), i.e looking North, South, East, West, etc

A problem calculating number of primers per charge has been fixed.

The ring would sometimes appear out of scale on the plot due to the dump angle.

All closed segments are now made clockwise is to ensure polygon fills correctly on the plot.

Angles now reported according to new reversed angles settings as discussed in the System section above.

Added ability to produce fully customised reports such as cover sheets. Please email support@minesolutions.com for further information

Several Minovar export corrections have been made.

The IREDES output for Sandvik rigs has been updated.

Request for Enhancements

If there are any new features that you would like to see in upcoming versions of *EzyRings* please email support@minesolutions.com your requests or telephone David on +618 9312 6158.