

## GridPro v8.2

### **List of new features:**

1. 2D surface split, from version 8.2 the 2D surface also can be split based on the geometry feature.
2. Warning for R/w permission.
3. 2D topology in 3D workspace, from version 8.2 a 2D topology can be loaded in a 3D workspace.
4. Tube for the linear surface.
5. Auto Shrunk On/OFF, there is a button enabled to switch on and off the Shrunk blocks.
6. Geomturbo file import, the geomturbo files can be imported into GridPro.
7. Reload modified blk.tmp, from this version onwards, if a grid is run and then minor changes in the block structure are made, while re-running the ggrid, you can just update the grid file rather than loading a new grid file.
8. Multiple tria/Quad surfaces can be merged into one surface.

### **List of functions whose capabilities are improved/modified:**

1. The overall speed of the UI has been improved.
2. Copy & Macro operation speed is better.
3. Copy warning message when blocks are given as input.
4. Trim warning message for flip sheets.
5. Internal surface auto update after creating one already.
6. Extend\_surface not creating the tria file in the right format.
7. Orientation rename under settings button.
8. Tube creation for linear surfaces.
9. Ggrid running for disjoint topologies.
10. Better presentation of Probe grid sheet.

### **Bug Fixes:**

1. Fixed a bug in nesting operation, now it does not create duplicate edges in 2D scenarios.
2. Fixed a crash issue while merging multiple surfaces.
3. Fixed a crash while right-clicking on a surface.
4. Fixed a crash while saving the topology file.

5. Fixed UI freezing issue for large cases.
6. Fixed a bug in splitting 2D surfaces, once the surface split is done it retains surface color.
7. Fixed a bug, now a warning message is prompted when trying to copy a block.
8. Fixed a bug in Grid trim, now it prompts a warning while flipping the sheet.
9. Fixed a bug in the **internal surface** tool, it now re-calculates the intersection of surfaces even if the previous intersection points are removed.
10. Fixed a bug in the **ribbon** tool to find the surface normal even if it is too small.
11. Fixed a bug in **Extend surface** creates tria file in the correct format.
12. Fixed a crash issue while doing **rotate + periodic** topology.
13. Fixed a bug related to Capture View in the toggle section, clicking on the escape key no more zooms out the GL.
14. Fixed a Crash, related to Reload surface after **fill**. Now after doing the fill operation surface can be reloaded.