

MPanel FEA

Version 16 update

The version 16 update continues to improve solver performance and features combined with changes to the core of the program to ensure compatibility with current versions of AutoCAD and Rhino. Below is a brief list of the updates with reference details in the update drawing file and links to some detailed videos which demonstrate how the new features work.

Auto correct mesh orientation

CAD mirroring, copying and 3D rotating can result in the incorrect/inconsistent mesh orientations when they are read into FEA. Pressures are applied normal to mesh surfaces so it is important that surfaces are oriented consistently. The new option allows FEA to correct these inconsistencies.

Poly number plot

A new plot has been added to plot polys and poly numbers to assist engineers to analyse raw data.

Plot titles and text size controls

Plot titles have been added to individual plots.

3 additional text size controls have been added raising the total to 6 to provide finer control over plot results.

Table splits

Tables in Materials, Pre-Stress and Loads can now be split and arranged more intuitively. These settings and the FEA window size are saved when the application is closed and will be used as the defaults the next time the application is used.

We trust you will enjoy these new features and that they will benefit your company.

Thank you for your continued support and again, we encourage you to provide feedback and suggestions for improvements.

MPanel Support Team