

Dimension Visualization CAD overlay

Add a CAD overlay or annotation module to the PC-DMIS CAD View.

- Make it a functionality that is enabled by default but can be globally disabled via SETUP.
- When creating dimensions (e.g. distance, angle) dynamically update the CAD to show the graphical representation of the dimension calculation taking into account active workplane if 2D.
- For fonts and line dimension sizes, leverage from the GD&T settings. But use the active dimension colors to show the dimension as per tolerances in the dimension or GEOTOL dialog.
- If PMI is active, instead of creating a new dimension visualization object, annotate the selected PMI (GD&T) item using the GEOTOL command settings.
- Allow by adding a Hide/Unhide or Enabled/Dimension setting to the dimension command so user can programmatically choose which dimensions to display on the CAD.
- We can also use the GD&T object for rules set on display of dimensions if PMI is available in the CAD file.
- Start with the basic relationship dimensions (Distances and Angles).

Examples,





