

MDTools® i2025.1.0 Update

Applicability: MDTTools i2025 Installed

Assembly Enhancements

1. You can now assemble directly to O-ring grooves using the **Assemble Component** command. All available O-rings in Manifold will be listed in the dialog, allowing you to select the corresponding CAD model and assemble it seamlessly. Learn more [Assemble Component](#).
2. X-Plug cavities can now be automatically assembled from your **local CAD library** even when they are not found in the path specified by the **MDTools Library Manager**. Learn more [Assemble Plugs](#).
3. The **MDTools Auto Assemble** feature now supports automatic assembly of plugged ports as defined in your schematic, simplifying the design process and saving setup time. Learn more [Auto Assemble](#).

Drawing Enhancements

1. Added a new option '**Auto Scale**' inside the Create View Command, when this option is selected in the *Create View* dialog, MDTTools automatically displays an editable suggestion for the most suitable drawing view scale. Learn more [Create Views](#).
2. Use the '**Create Selected Views**' option in the *Create Views* command to separate face views onto different sheets. Learn more [Create Views](#).
3. The '**Create Selected Views**' option in the *Create Views* command also supports creating multiple views for assembly designs as well. Learn more [Create Views](#).
4. The **Show Footprint** command is now compatible with Assembly drawings, it displays the outline of unassembled footprints within a drawing. Learn more [Show Footprint](#).
5. The **Show Engravings Text** command is now compatible with Assembly drawings, Displaying the boundary rectangle is now optional in the **Show Engravings Text** command. Learn more [Show Engraved Text](#).

Other Enhancements

1. MDTTools i2025 is now compatible with VNLM 2.0.
2. When no licenses are available, MDTTools now displays an **“All licenses in use”** message. The total license count accurately reflects the actual number for the specified CLS ID and MDTTools version instead of showing 0.

Issues Resolved

1. Resolved an issue where callouts for **slots, undercuts, through holes, and angled holes** weren't created when using the **Select Cavity** option.
2. Fixed incorrect cavity coloring in the 3D model for Multiport cavity in a single step.
3. Fixed failures for **four-port cavities** placed in a single diameter drill hole in **Virtual mode**—they now function correctly in both **Feature** and **Virtual** modes.
4. Improved the **Schematic Net Browser** performance for quicker loading.
5. Corrected **undercut depth values** in machining charts and callouts when sinking **locating shoulders** with **Sun Hydraulics cavities**.
6. The undercut preview for **Sun cavities** with sunken locating shoulders now correctly reflects updates in locating shoulder depths.
7. The **Update Drawing** command now refreshes only **existing callouts**, preventing unnecessary regeneration of all cavity callouts.
8. In **MBXML exports**, O-ring IDs now include **unique GUIDs** (distinct from parent IDs) or remain blank when not defined.
9. Fixed an issue where the **license borrowing end date** did not match the selected duration when reopening the License Manager Dialog again.
10. Prevented duplicate machining callouts when the **“All Cavities”** option is executed on a drawing sheet that already contains callouts.
11. The **Diameter (∅) prefix** in machining callouts is now applied only to numeric values, ensuring cleaner annotations.
12. Resolved an **unhandled exception** that occurred when changing the **Minimum Wall Thickness** value during cavity connection.
13. Fixed an issue where **Slip-in Footprints** inserted from **HyDraw Schematic** did not display net colors by ensuring all missing ports are properly added to the database.
14. The SQL Database login now supports passwords **longer than 16 characters** in MDTTools i2025.

15. Fixed an issue where the **Mirror Footprint** command created a **multi-step bolt hole** when the **bolt hole** was set as the parent cavity of a footprint.
16. Fixed an issue in the **Set Assembly Constraint** command concerning .IAM files.
17. Improved **Export MBXML** command to store values with more precision.

Date: Oct 31, 2025