MDTools® Service Pack 02

* MDTools 785 Service Pack 02 includes Hotfix 01, Service Pack 01, Hotfix 02, Hotfix 03, Hotfix 04, Hotfix 05, Hotfix 06, Hotfix 07, Hotfix 08, Hotfix 09 and Hotfix 11.

Applicability: MDTools 785 with or without Service Pack 01 and all Hotfixes

Issues Resolved:

1. While deleting O-ring from a footprint, MDTools deleted the orifice attached to another cavity.

2. MDTools threw revolve feature errors with specific cavity profiles.

3. Cavity lost port type information when connecting with another cavity.

4. Automatic Update drawing was not updating machining sequence of BHs.

5. Check Bend was not reporting inclined cavity violations.

6. Check Bend threw errors after updating a row and selecting any other row with the Indicate Design Errors option selected in MDTools Settings.

7. Check Bend was not updating the Drill Depths if the difference in current and recommended depth was less than the selected Drill Depth precision in MDTools Options.

8. Broken Net error showed when port in one net overlapped with Dead Area.

9. Automatic Update Drawing was not updating the Machining Callout when sheet name contained spaces.

10. In MDTools Machining Callout, trailing zero was applied to the operation field.

11. Copy command threw error when copying a Footprint with a construction port and O-ring Grooves.

12. Replace Cavity command was not retaining the Machining ID if 'Replace All Similar Cavities' option was selected.

13. Wall Thickness Check was not reporting the clearance between Footprint Bolt holes and Manifold Faces.

14. MDTools was unable to copy Slip-In valve having 3 step Bolt Holes.

15. Modify All Engravings, text height wasn't changed even without Maintain Existing Text Height selected.

16. Show Engraving threw error for non-cosmetic engravings in assembly drawing.

17. Export MBXML threw error for block having special font for engravings.

18. Modifying a Cavity (Adding drill/Adding Counterbore/Replace/Swap), Which is placed on the Cutout, causes the cavity to get relocated to main Manifold Face.

Date: Oct 25, 2023

MDTools® 785 Hotfix 11

* MDTools 785 Hotfix 11 includes Hotfix 02, Hotfix 03, Hotfix 04, Hotfix 05, Hotfix 06, Hotfix 07, Hotfix 08 and Hotfix 09.

Applicability: MDTools 785 with Service Pack 01

Issues Resolved:

1. MDTools would sporadically lose the license when HyDraw CAD was running concurrently.

Date: Sep 11, 2023

MDTools® 785 Hotfix 10 (Cancelled)

* MDTools 785 Hotfix 10 includes Hotfix 02, Hotfix 03, Hotfix 04, Hotfix 05, Hotfix 06, Hotfix 07, Hotfix 08 and Hotfix 09.

Applicability: MDTools 785 with Service Pack 01

Issues Resolved:

1. MDTools would sporadically lose the license when HyDraw CAD was running concurrently.

Date: Aug 17, 2023

MDTools® 785 Hotfix 09

Applicability: MDTools 785 with Service Pack 01

Issues Resolved:

1. MDTools 785 made compatible with Inventor Vault 2023.

Date: Aug 14, 2023

MDTools® 785 Hotfix 08

Applicability: MDTools 785 with Service Pack 01

Issues Resolved:

1. With Inventor 2024 MDTools throws error messages when checking wall thickness between Cavities and Manifold Faces in Wall Thickness/Design check command. Hotfix 08 adds an option "Wall Thickness with Manifold Faces" in Design Check and in Wall Thickness check command. Customers are advised to unselect the above option when using Inventor 2024.

Date: Jul 07, 2023

MDTools® 785 Hotfix 07

Applicability: MDTools 785 with Service Pack 01

Issues Resolved:

1. Inventor Feature Control Frame symbols would interrupt the ability of MDTools to create and update Machining Callouts.

Date: Jun 22, 2023

MDTools® 785 Hotfix 06

Applicability: MDTools 785 with Service Pack 01

Issues Resolved:

1. MDTools Engraving commands were interpreting the font size wrong with comma decimal separator when using Inventor threads.

Date: May 09, 2023

MDTools® 785 Hotfix 05

Applicability: MDTools 785 with Service Pack 01

Issues Resolved:

1. Assemble Component command did not display Library subfolders that did not directly contain ".ipt" component files.
2. Mirror Footprint command was not creating Bolt Holes with Counterbore on the correct face.

Date: Mar 21, 2023

MDTools® 785 Hotfix 04

Applicability: MDTools 785 with Service Pack 01 and Hotfix 02 and Hotfix 03 Installed

Issues Resolved:

1. Speed for inserting a cavity from schematic xml has been increased to assist users with remote SQL libraries.

Date: March 16, 2023

MDTools® 785 Hotfix 03

Applicability: MDTools 785 with Service Pack 01 and Hotfix 02 Installed

Issues Resolved:

1. Through holes were reporting an inapplicable wall thickness error with the face they go through.

2. Show engraving in drawing was failing for assembly drawings.

Date: Dec 28, 2022

MDTools® 785 Hotfix 02

Applicability: MDTools 785 with Service Pack 01 Installed

Issues Resolved:

1. Align Cavities command updated the wrong dimensions.

2. Drill holes caused errors when inclined in Feature mode.

Date: Nov 29, 2022

MDTools® 785 Service Pack 1

Applicability: MDTools 785 with or without Hotfix 01

Issues Resolved:

1. Machining charts separated by face deleted a table when updating if the margin was too small.

2. Beveled bolt holes with more than two steps in footprints (like slip-ins) gave errors.

3. Display Machining ID threw an unhandled exception when both Part views and Assembly views were present in one drawing.

4. Edit footprint did not show a preview for SAE flanges.

5. Using Stretch Drill, "stretch up to" on an offset hole resulted in a negative depth.

6. Match properties did not work for alpha and beta angles.

7. Connecting a cavity to an inclined hole used too high precision.

8. NET framework error when selecting a network during insertion of undocked cavities.

9. Inclined cavities could not be used as "change origin" references for positioning other cavities.

10. Machine callouts caused problems upon update when a cavity was moved to a new face.

11. Adding an orifice un-suppressed other cavity in the footprint.

12. Stretch block did not adhere to precision settings.

13. Footprints reverted their rotation to zero degrees if a drill was inclined.

14. Wall thickness between manifold faces and bolt holes was sometimes incorrect.

15. Pressure units for all HyDraw XML schematics were shown as the units from MDTools Settings, not the units in which the schematic was designed.

16. Undercuts displayed a validation message based on diameters from lower in the cavity than the undercut.

17. Unmerged orifice plugs did not move with the rest of the footprint.

18. Envelope of flanges rotated when bolt holes were replaced (also required non-cosmetic attached engraving)

19. Some cavity selection consistency issues for cavities within the footprint.

20. Parent drills of footprints could not be inclined.

21. Mandatory O-rings remained when the footprint was replaced.

22. Generate Machining ID skipped ID numbers when O-rings were present.

MDTools® 785 Hotfix 01

Applicability: MDTools 785

Issues Resolved:

Speed improved when importing a HyDraw Schematic XML file.

Date: October 7, 2022