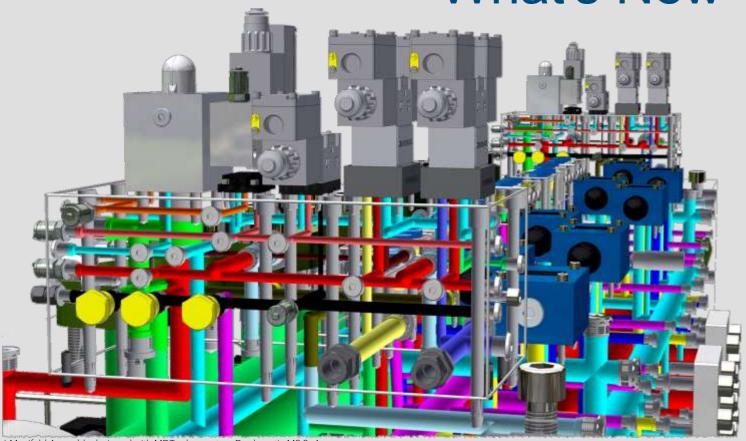
MDTools® 980

What's New



* Manifold Assembly designed with MDTools, courtesy Duplomatic MS SpA.



MDTools® 980 What's New

Machining Callout Grouping

Grouping of Cavities within a Footprint

Grouping of Cavities within Similar Footprints on the Same Face

Grouping of Identical Cavities within a Face

Updated Wall Thickness Checks

Separate Categories for Reports Regarding Wall Thickness between Spot Face and Working Area

Separate Categories for Reports Regarding Wall Thickness between Spot Face and Dead Area

Assemble Footprints Simplified

Use of Bolt Holes for Location Constraints

Reduced Precision Requirements

Miscellaneous

SQL Cavity Library

Integration with VEST Desktop App

New and Improved Cavity Browser Icons

Additional MDTools Enhancements

Speed improvement

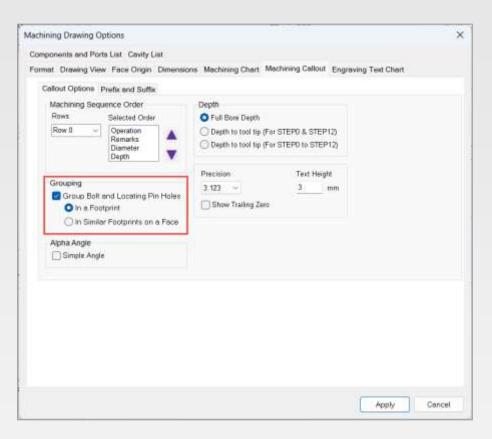


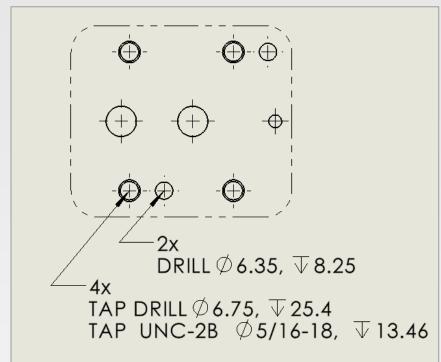




Grouping of Cavities within a Footprint

Identical Bolt Holes and Locating Pins can now be Grouped within a Footprint





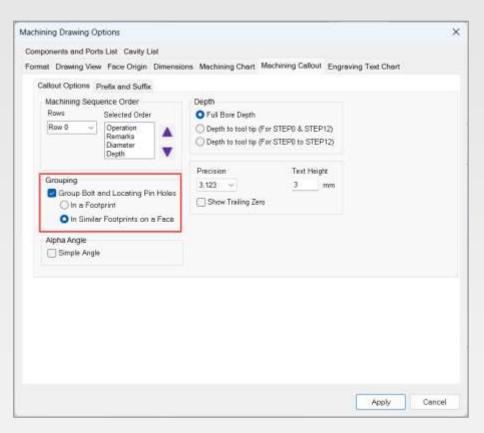


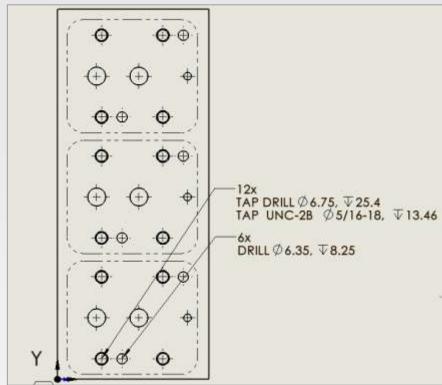




Grouping Cavities Within Multiple Footprints

Identical Bolt Holes and Locating Pins Within Multiple Footprints can be Grouped on the Same Face



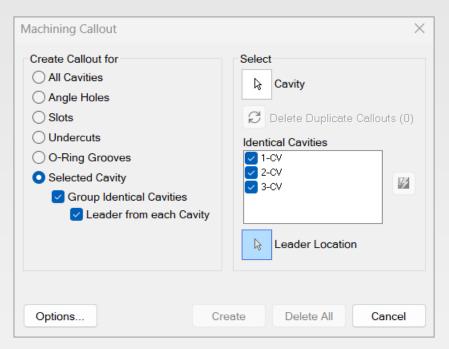


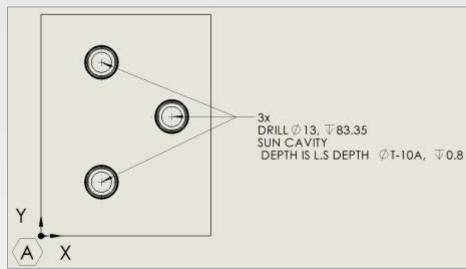




Grouping Identical Cavities

Identical Cavities on the Same Face can be Grouped



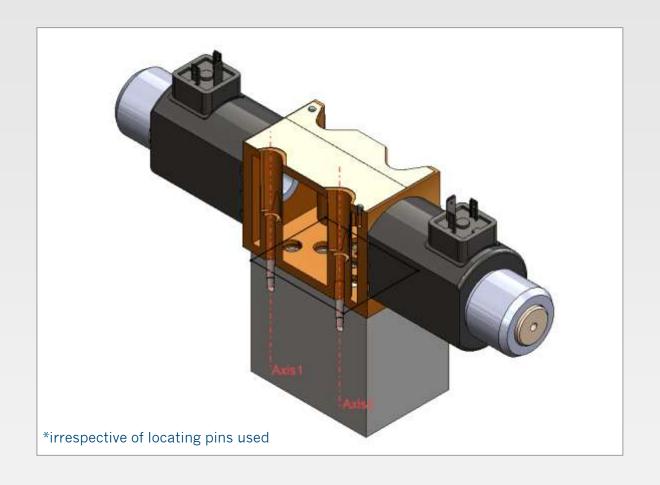






Assemble Valves using Bolt Hole Pattern

Valves located* using BH1 and BH2 as Axis

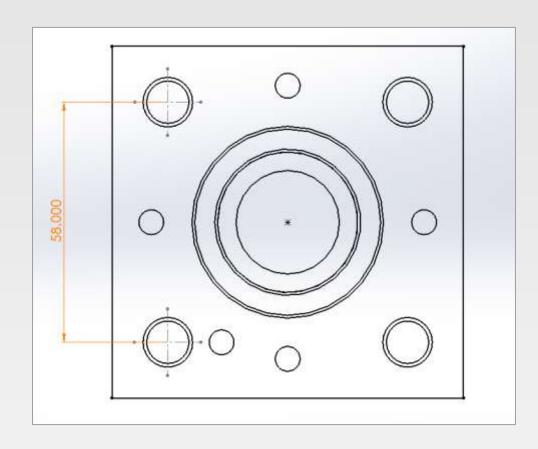






Reduced Precision Requirements

Previously, MDTools required precision down to five decimal places. As this is impractical for assemblies, we reduced the precision requirement to three places beyond the decimal.

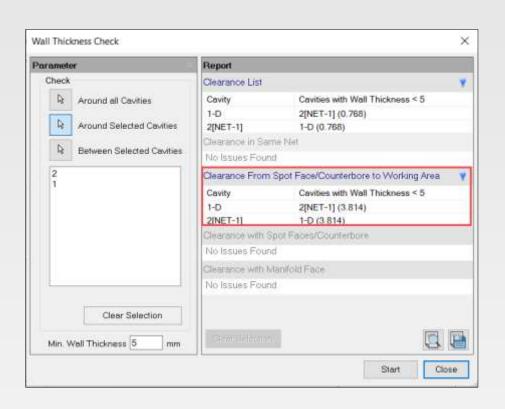


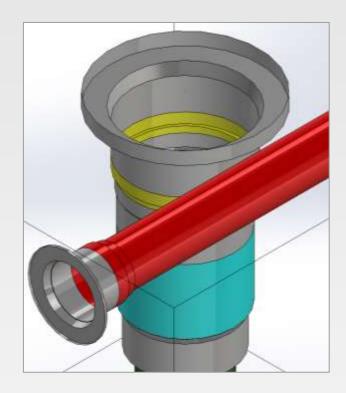




Clearance from SF/CB to Working Area

Min. Wall Thickness from Spot Face/Counterbore to Working Area listed in a Separate Section



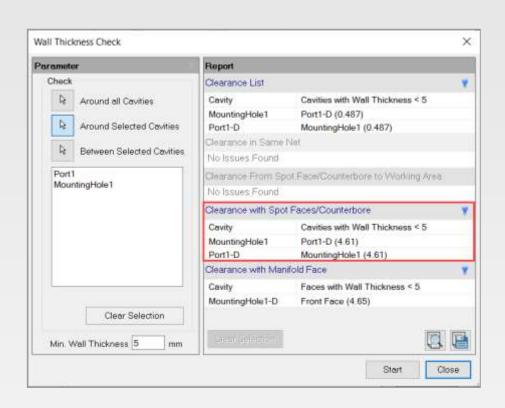


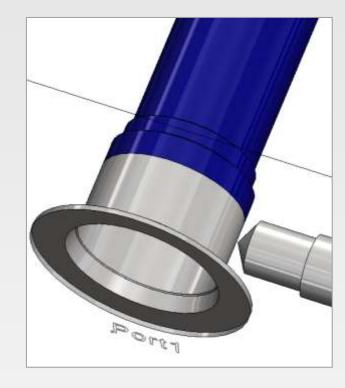




Clearance with Non-Pressurized Area

Min. Wall Thickness from Spot Face/Counterbore to Dead Area listed in a Separate Section



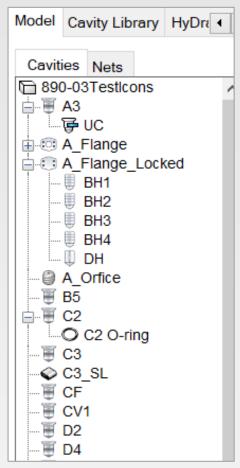


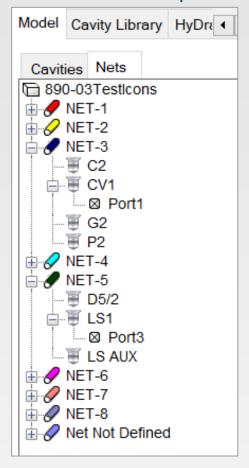




New and Improved Cavity Browser Icons

New Icons to Better Visualize Manifold Components



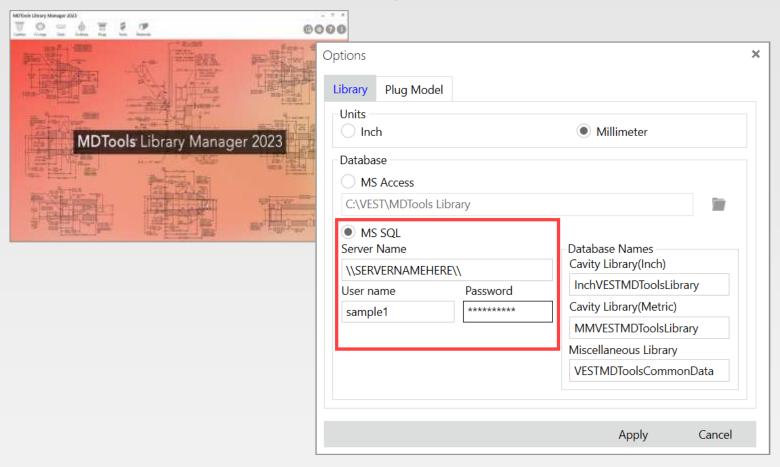






SQL Now Supported as Cavity Library Format

MDTools Library Manager 2023 and MDTools now support SQL **Databases**

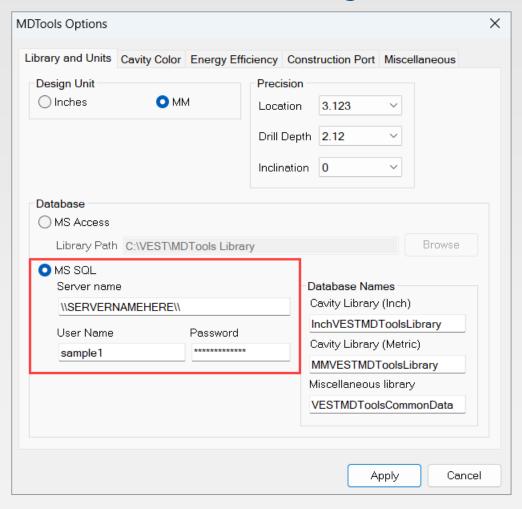






SQL Library Accessible from MDTools

Users can now select SQL Libraries directly from **MDTools Settings**







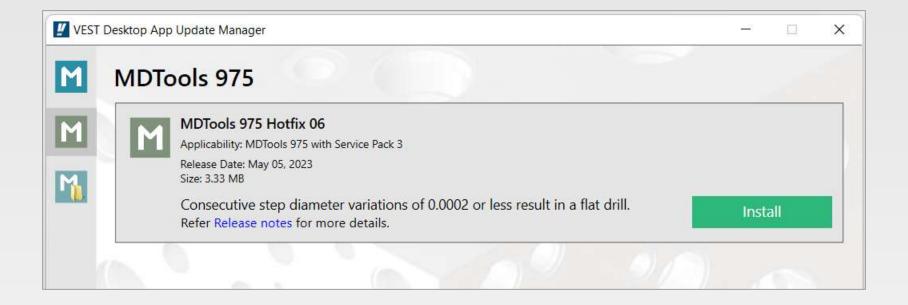






Integration with VEST Desktop App

Notifications and Updates can be received and acted upon directly from the VEST Desktop App







Additional MDTools Enhancements

- Speed has been improved in many commands that were previously negatively affected by the presence of engravings.
- MDTools now supports Windows[®] 11 GUI (sp2975)
- Machining Chart update now supports multi-sheet charts



MDTools® 980

Premier 3D manifold design software

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