MDTools® 965
What's New

Power-to-Design Manifolds

MDTools® 965 What's New

Through Bolt Hole Depths are Automatically Updated

O-ring Groove ID's can be made Independent of the Parent Cavity

New Machining ID Naming Scheme: A1, A2, B1, B2, B3…

Group Machining ID option for Identical Cavities

Separate Columns for Cavity X and Y Location Coordinates

Decimal Separator options for Machining Chart

New Visual Interface for Auto Dimensioning

Easy Import and Export of MDTools Settings across Versions or Computers

Fast and Secure Cloud-based License Activation

Move Multiple Cavities using Scroll Bars

Improved Display for Terminated/Blocked Ports

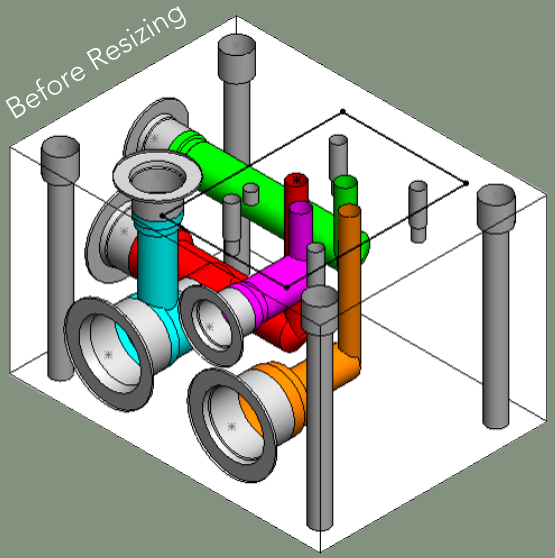
"0" Depth Precision option for Machining Chart

Use . (dot) or , (comma) Decimal Separator Interchangeably

MDTools Help: Online and Offline

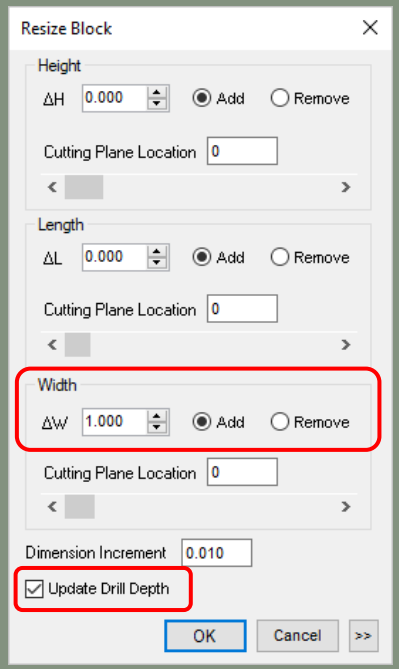
Progress Status bar displays during Import of 'mbxml' Files

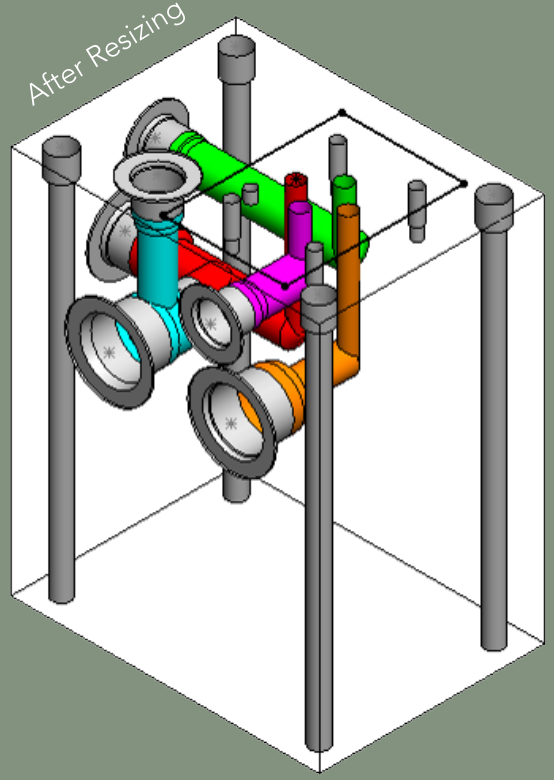
NEW Through Bolt Hole Depths are Automatically Updated



Resize Block

Update Drill Depth option selected





Through hole bolt depth auto updated when manifold resized

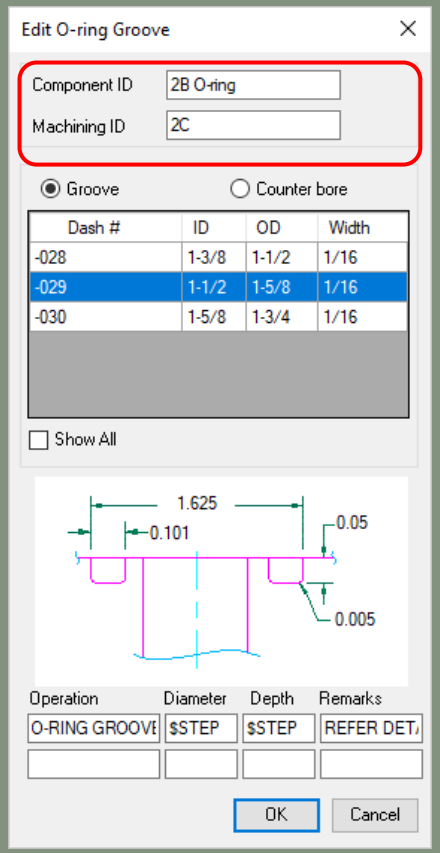
Note: Through cavity depth also updates automatically after resizing the manifold.

NEW

O-ring Groove IDs can be made Independent of Parent Cavity

MDTools Settings

Option selected*



Edit O-ring Groove ID

Option selected

Name	Operation	Diameter	Depth
2B	DRILL	1.344	2.00
2C	O-RING GROOVE	1.625	0.050

O-ring groove machining sequence listed as a separate item

Option deselected

Name	Operation	Diameter	Depth
2B	DRILL	1.344	2.00
	O-RING GROOVE	1.625	0.050

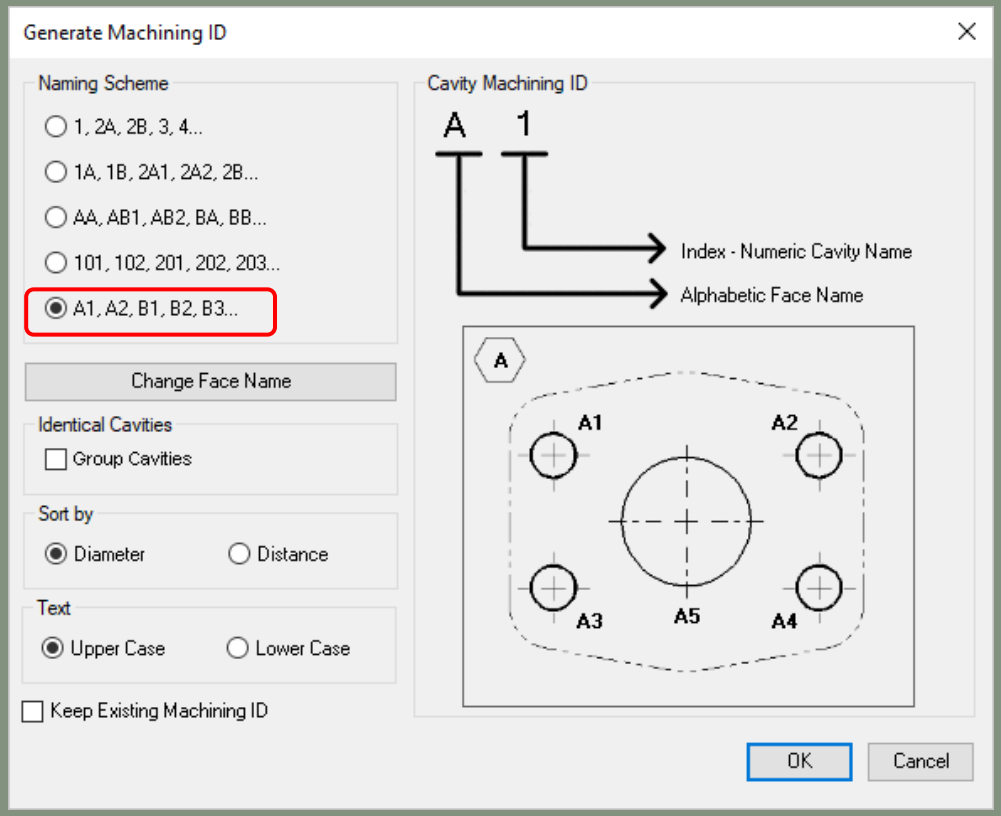
O-ring groove machining sequence included with the parent cavity

* Mandatory O- ring grooves (part of the footprint) do not have a separate Groove ID option

NEW

New Machining ID Naming Scheme: A1, A2, B1, B2, B3…

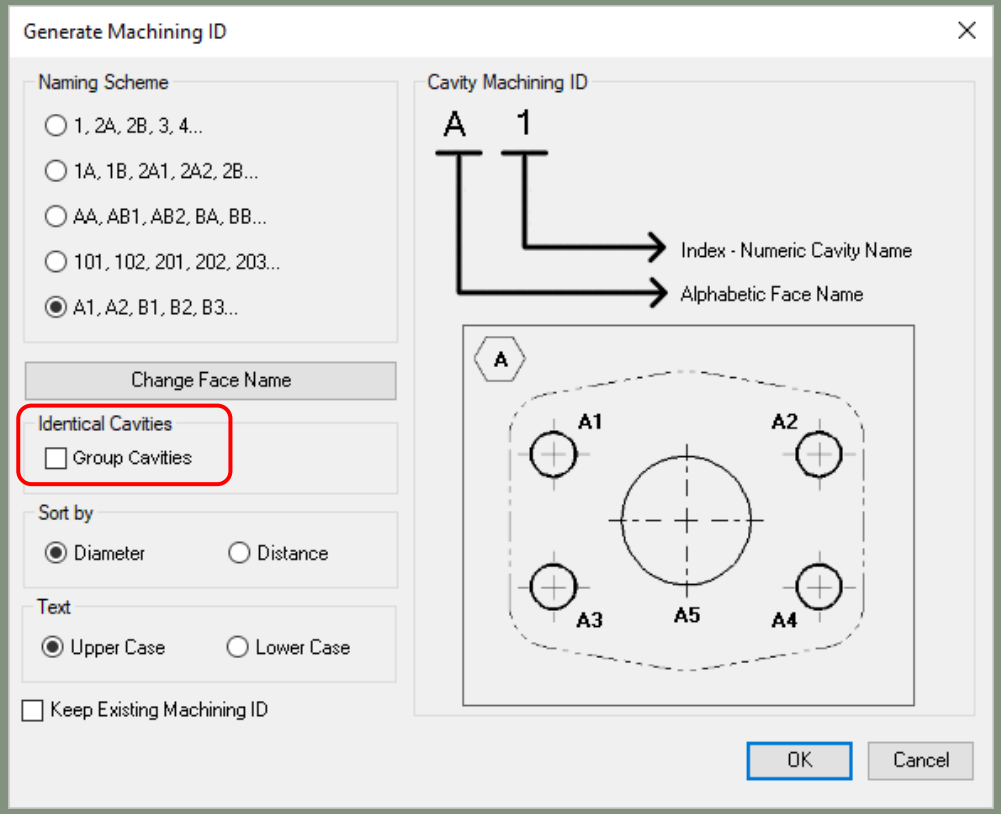
New Machining ID Naming Scheme



NEW

Group Machining ID for Identical Cavities

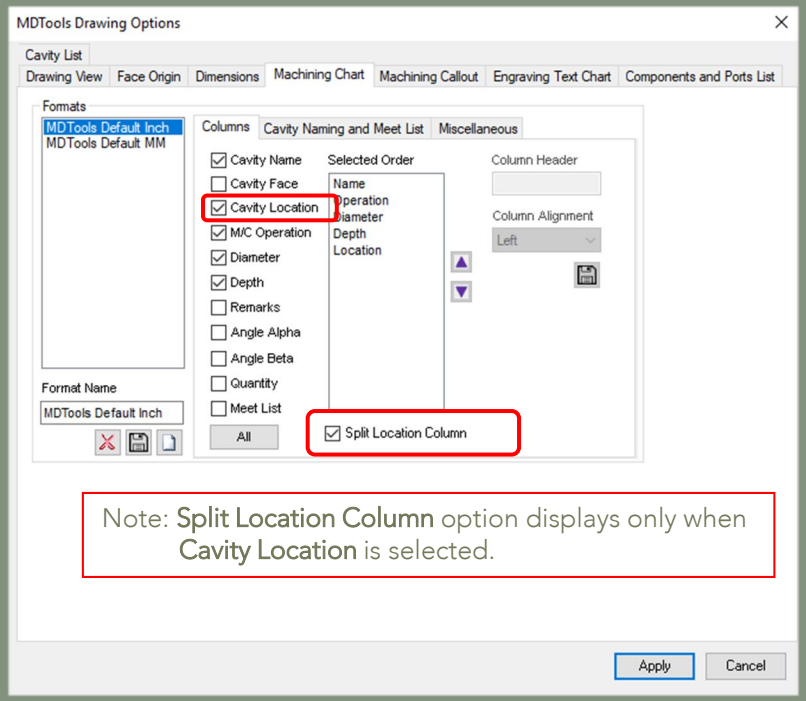
Group Cavities option available for all Machining ID naming schemes



Note: In MDTools 960 Group Identical Cavities option was available only for naming scheme 101, 102, 201, 202, 203, ...

NEW

Separate Columns for Cavity X and Y Location Coordinates



Note: **Split Location Column** option displays only when **Cavity Location** is selected.

Option selected

Name	Operation	Diameter	Depth	Location X	Location Y
2A	DRILL	5/8	2.667	0.875	2.000
	C10-2	1.344	0.031		
2B	DRILL	0.250	2.000	4.250	1.999
	C10-2	1.344	0.031		
4	DRILL	0.625	2.667	0.875	2.000
	C10-2	1.344	0.031		
5	DRILL	0.625	3.214	4.250	2.000
	C10-4	1.344	0.031		

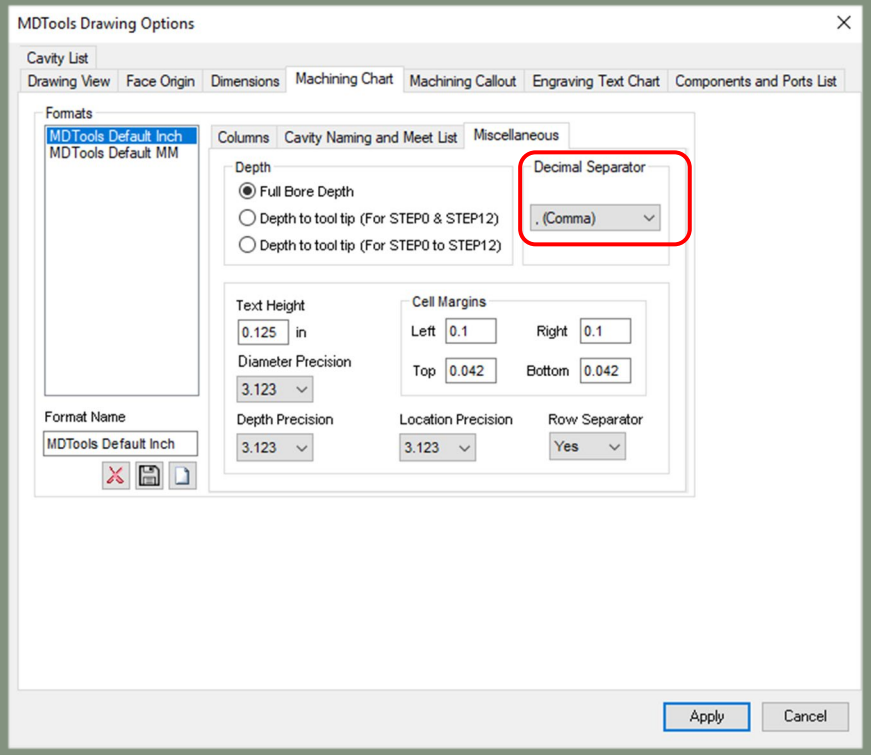
X and Y coordinates in separate columns

Option deselected

Name	Operation	Diameter	Depth	Location
2A	DRILL	5/8	2,667	(0,875/2,000)
	C10-2	1,344	0,031	
2B	DRILL	0,250	2,000	(4,250/1,999)
	C10-2	1,344	0,031	
4	DRILL	0,625	2,667	(0,875/2,000)
	C10-2	1,344	0,031	
5	DRILL	0,625	3,214	(4,250/2,000)
	C10-4	1,344	0,031	

X and Y coordinates in a single column

Decimal Separator options for Machining Chart



Decimal Separator options:
- System default
- , (Comma)
- . (Period)

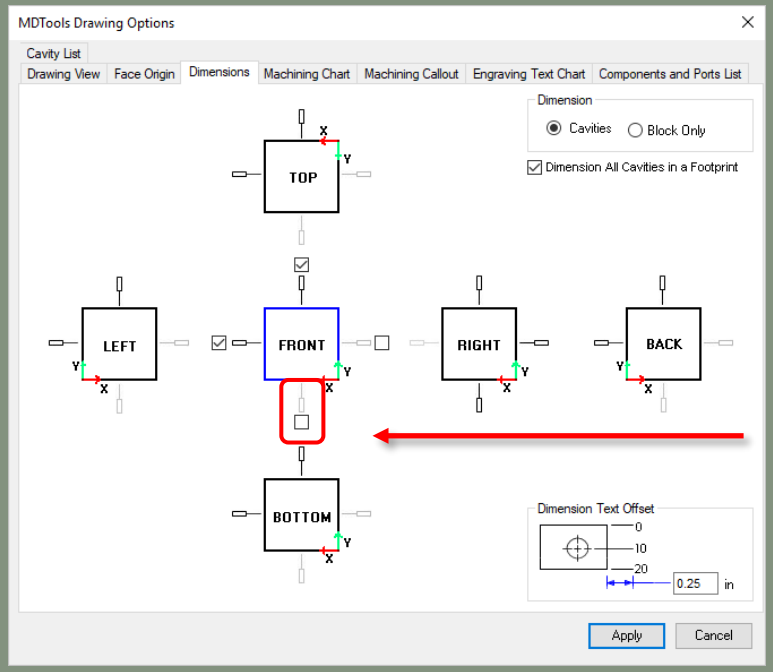
Name	Operation	Diameter	Depth	Location
2A	DRILL	5/8	2,667	(0,875/2,000)
	C10-2	1,344	0,031	
2B	DRILL	0,250	2,000	(4,250/1,999)
	C10-2	1,344	0,031	
4	DRILL	0,625	2,667	(0,875/2,000)
	C10-2	1,344	0,031	
5	DRILL	0,625	3,214	(4,250/2,000)
	C10-4	1,344	0,031	

Comma Decimal Separator

NEW

New Visual Interface for Auto Dimensioning

Dimensions are placed on the sides having black dimension icon (not gray)



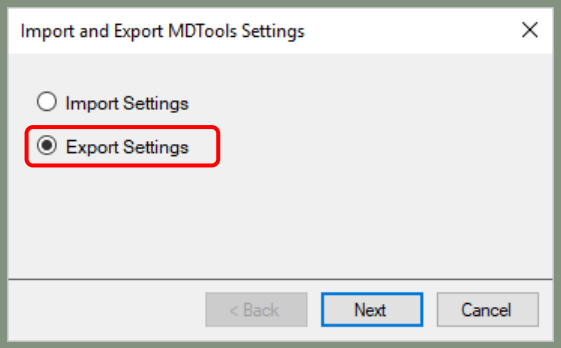
Select a view to set face sides available for dimensioning

Allow dimensions to be pulled to an edge

NEW

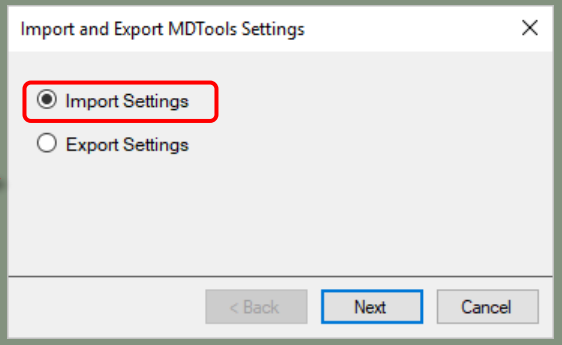
Easy Import and Export of MDTools Settings across Versions or Computers

MDTools 960*

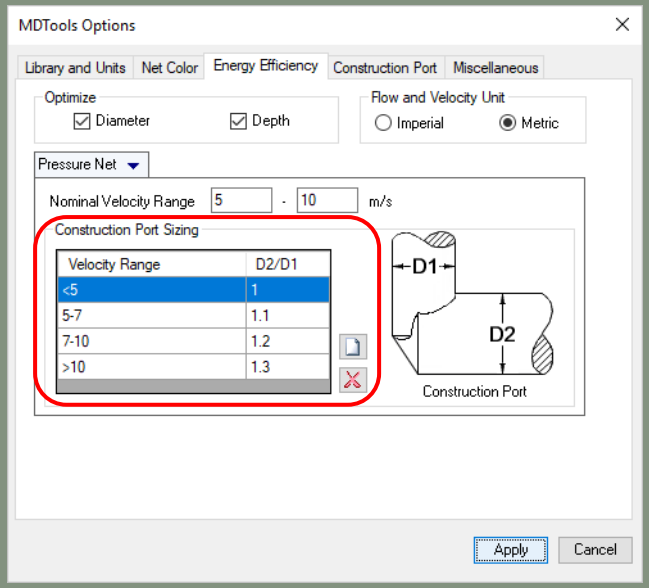


XML file containing MDTools Settings

MDTools 965



Energy Efficiency settings exported from MDTools 960, imported into MDTools 965

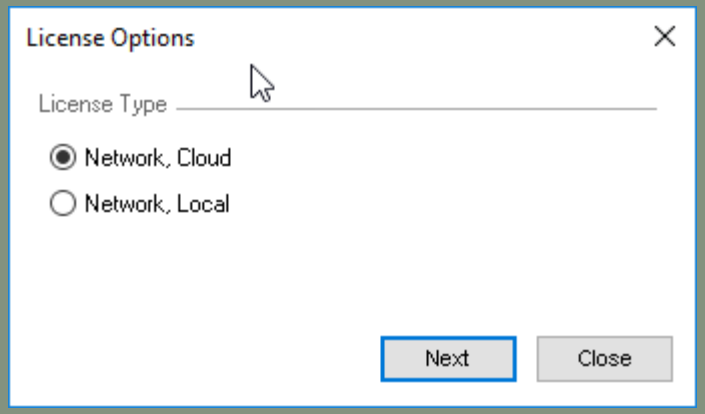


- Use MDTools 965's Import and Export MDTools Settings utility to export MDTools 960 settings.
  (Windows Start menu > VEST folder > MDTools 965 Import and Export Settings)

NEW

Fast and Secure Cloud-based License Activation

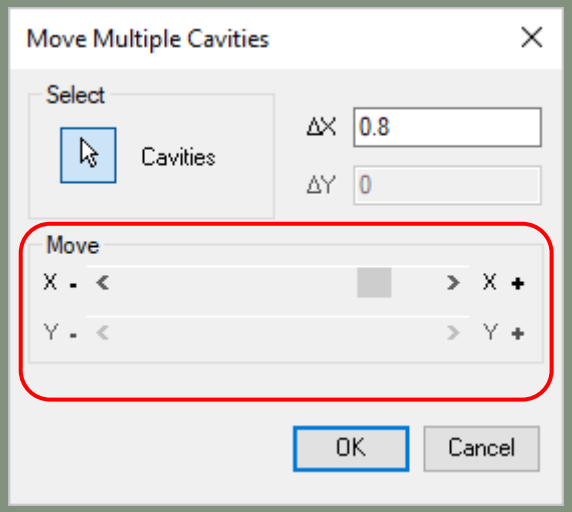
Two cloud-based license options available



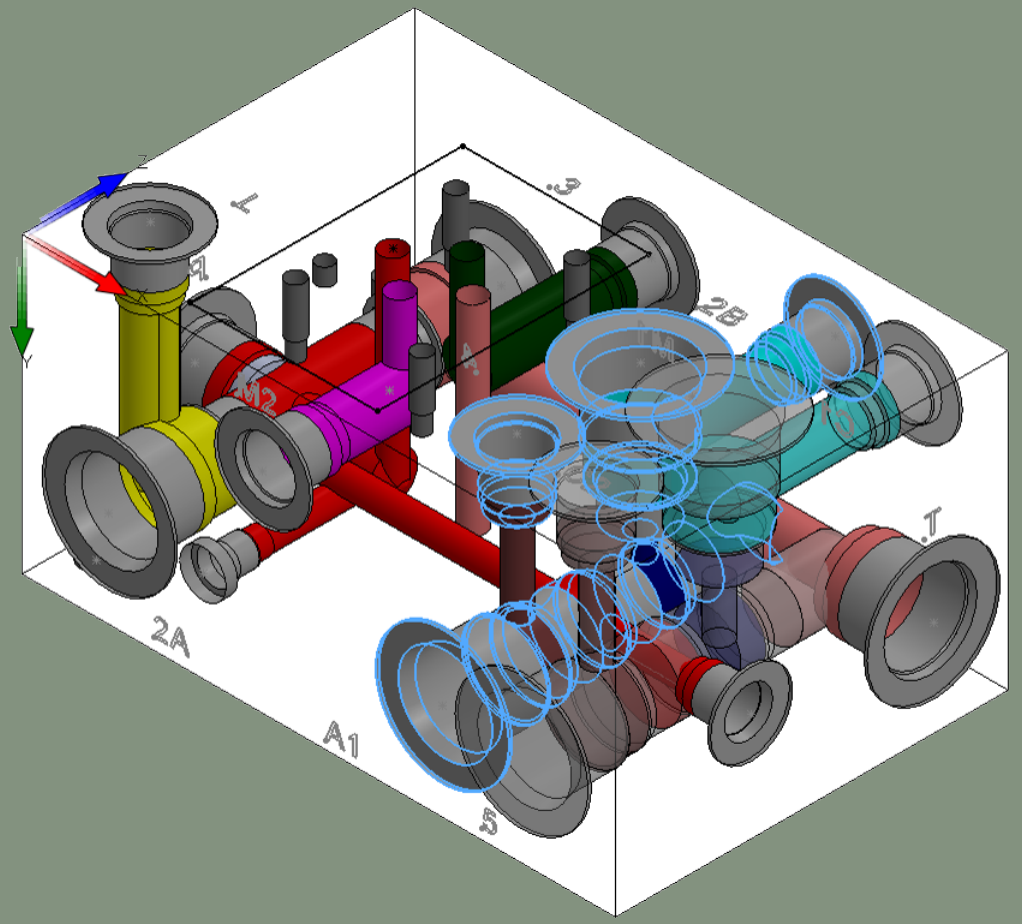
Cool features of Cloud licensing:

- Fast and Secure Online Activation
- Access License from anywhere, anytime via Internet
- No need to use a USB dongle

Move Multiple Cavities using Scroll Bars



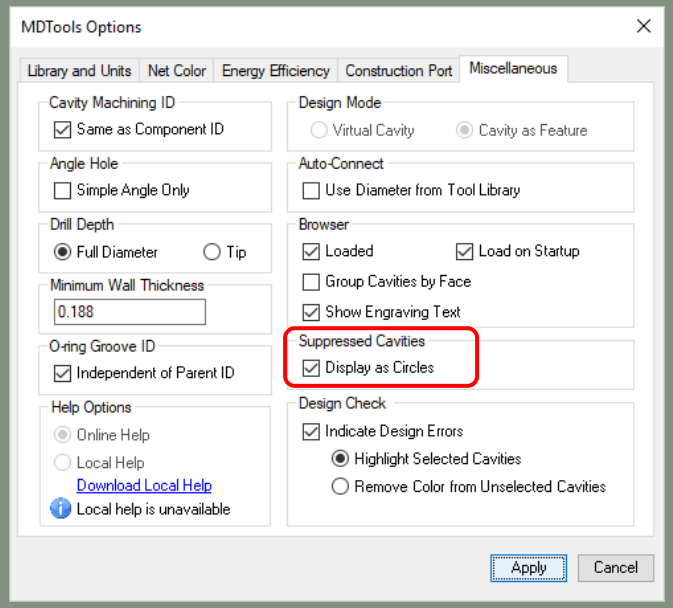
Multiple cavities selected in manifold block moved using scroll bars

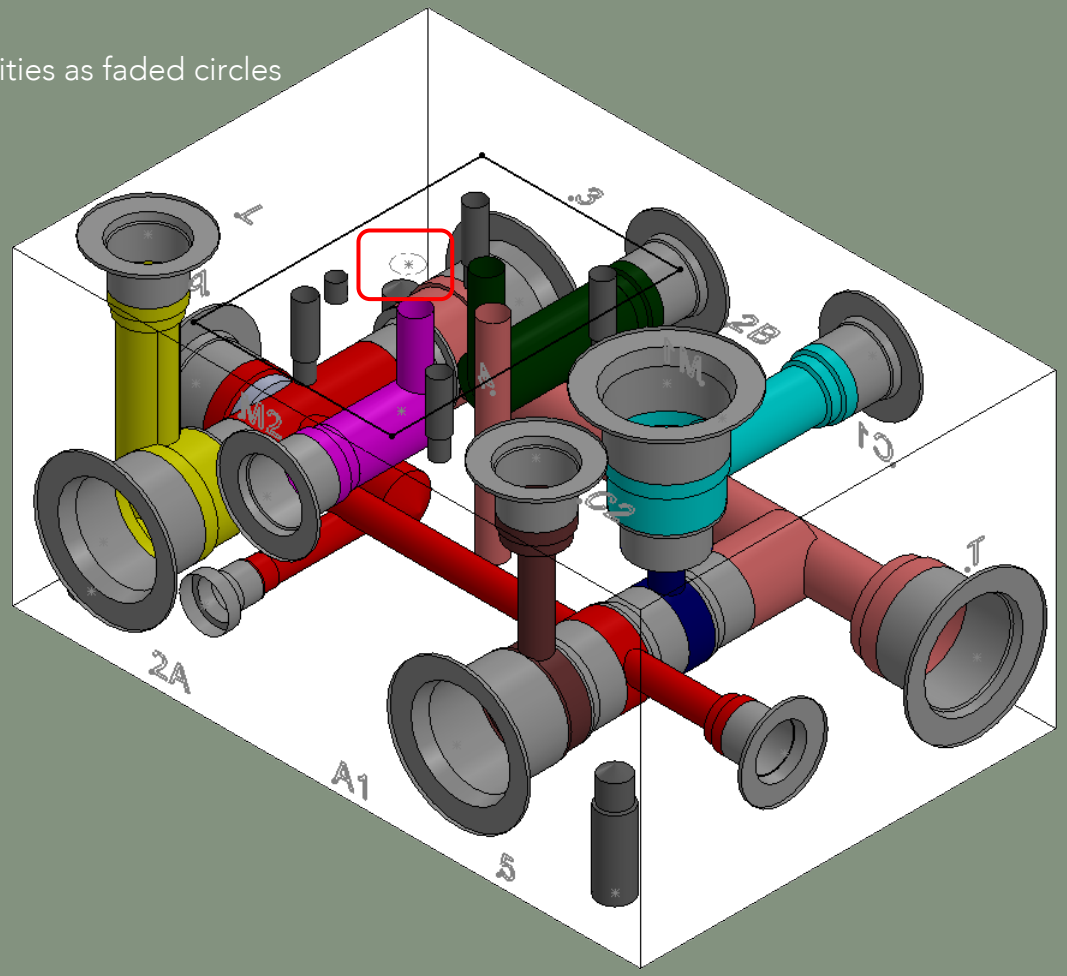


NEW

Improved Display for Terminated/Blocked Ports

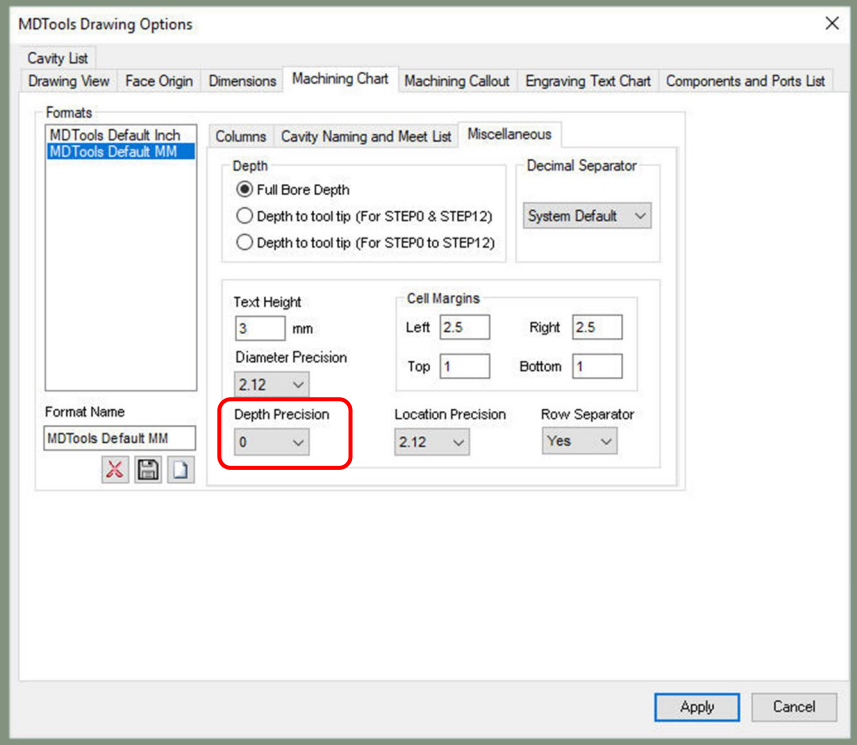
Display suppressed cavities as faded circles





NEW

“0” Depth Precision option for Machining Chart



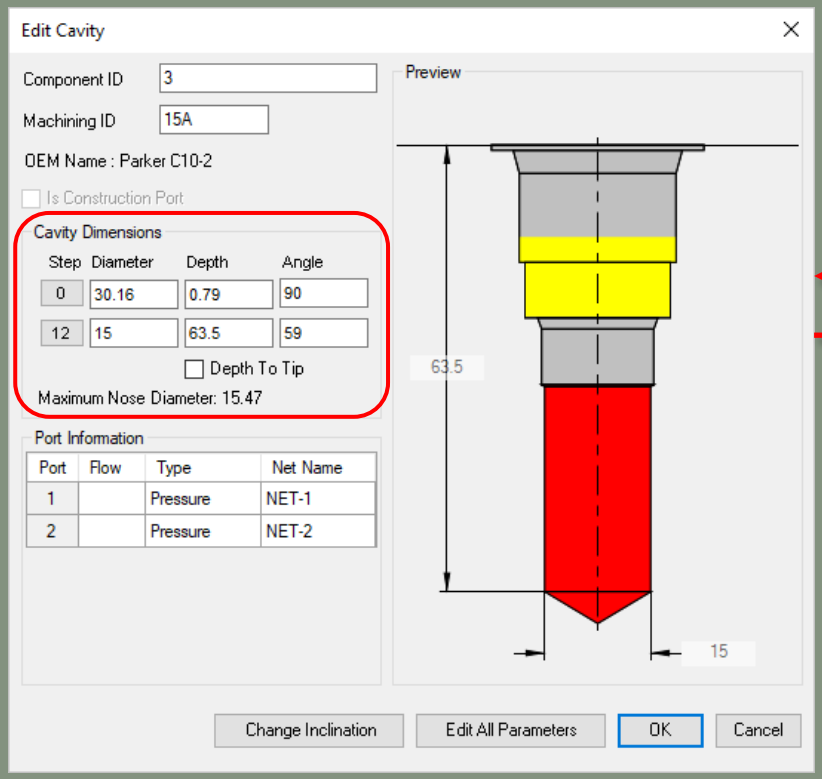
Name	Operation	Diameter	Depth	Location
G1	DRILL	5.00	43	(66.90/35.74)
	080-2	27.00	1	
G2	DRILL	11.00	63	(66.00/74.90)
	C0820	30.18	1	
H1	DRILL	8.50	66	(84.50/74.90)
	C0820	30.18	1	
C1	DRILL	17.48	57	(57.70/35.74)
	FORM PORT	#10SAE	1	
	TAP	7/8-14	17	
K1	DRILL	13.00	80	(43.10/57.70)
	SUN CAVITY	T-11A	17	
	TAP	M5X0.8	10	

Depth Precision set to 0 decimal places

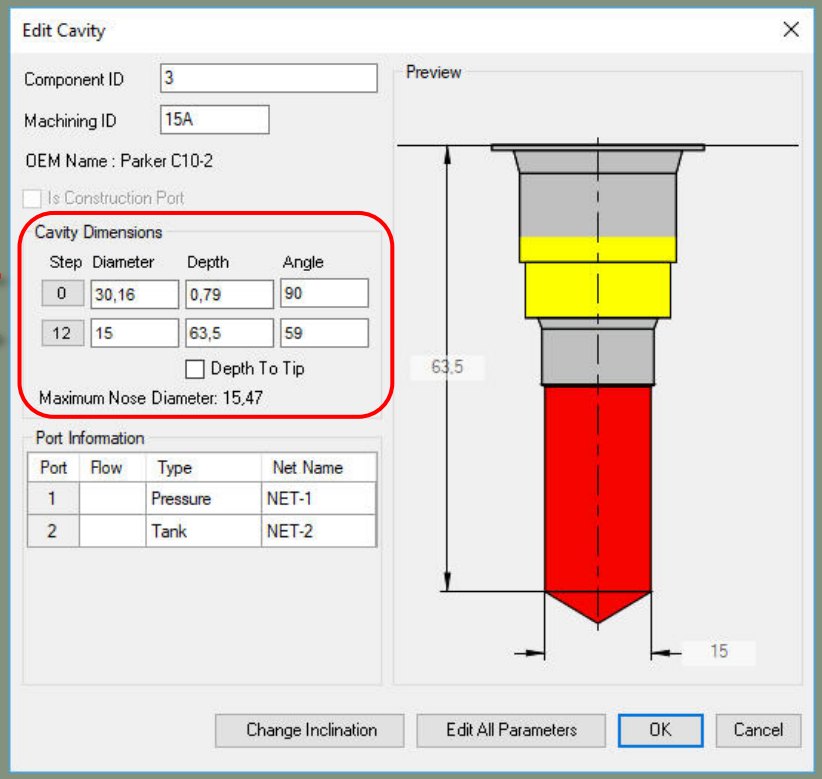
NEW

Use . (dot) or , (comma) Decimal Separator Interchangeably

Block designed with .(dot) decimal separator



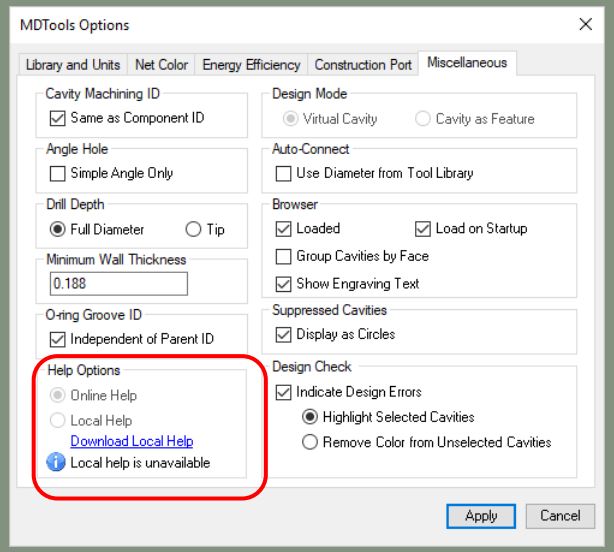
Block designed with ,(comma) decimal separator

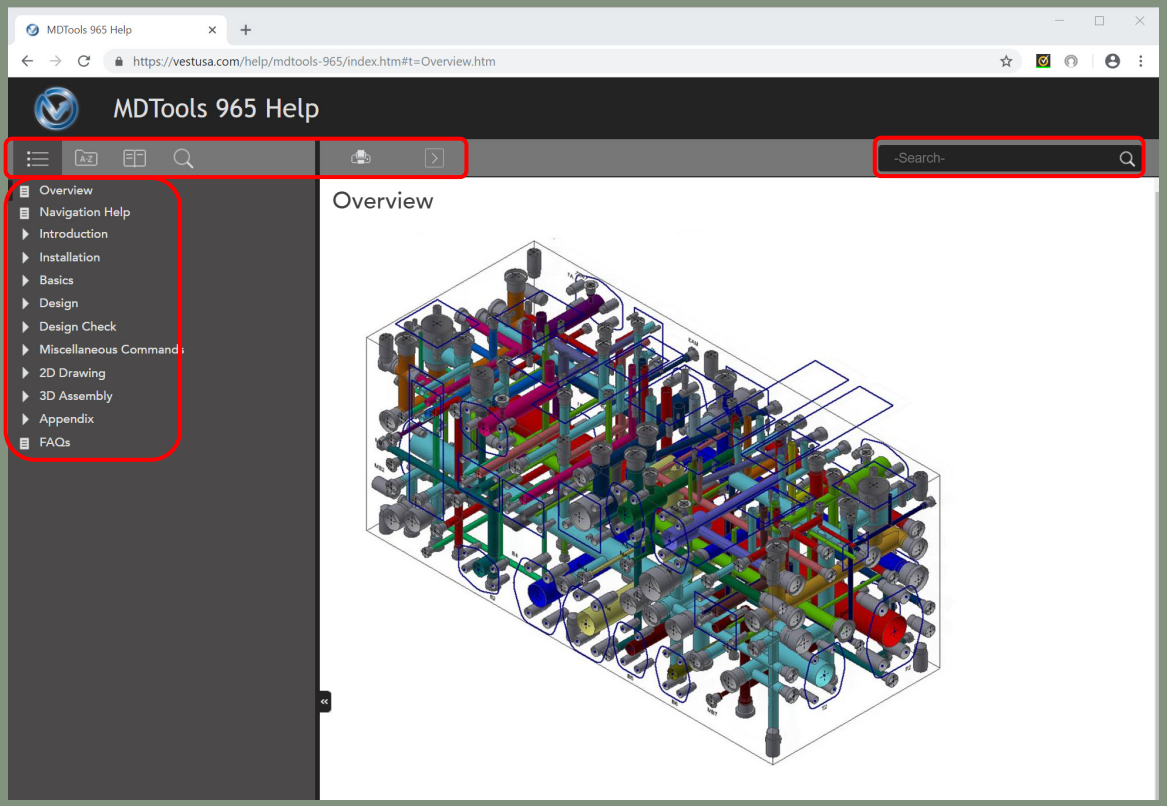


Blocks designed using .(dot) as the decimal separator can be opened/edited using ,(comma) as the decimal separator and vice versa.

NEW

MDTools Help: Online and Offline





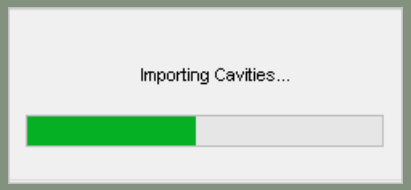
Cool features:

- Online version, always up-to-date
- Smart Search
- Glossary
- Integration with KB/FAQs
- Structured task-oriented navigation
- Index with Filter Keywords

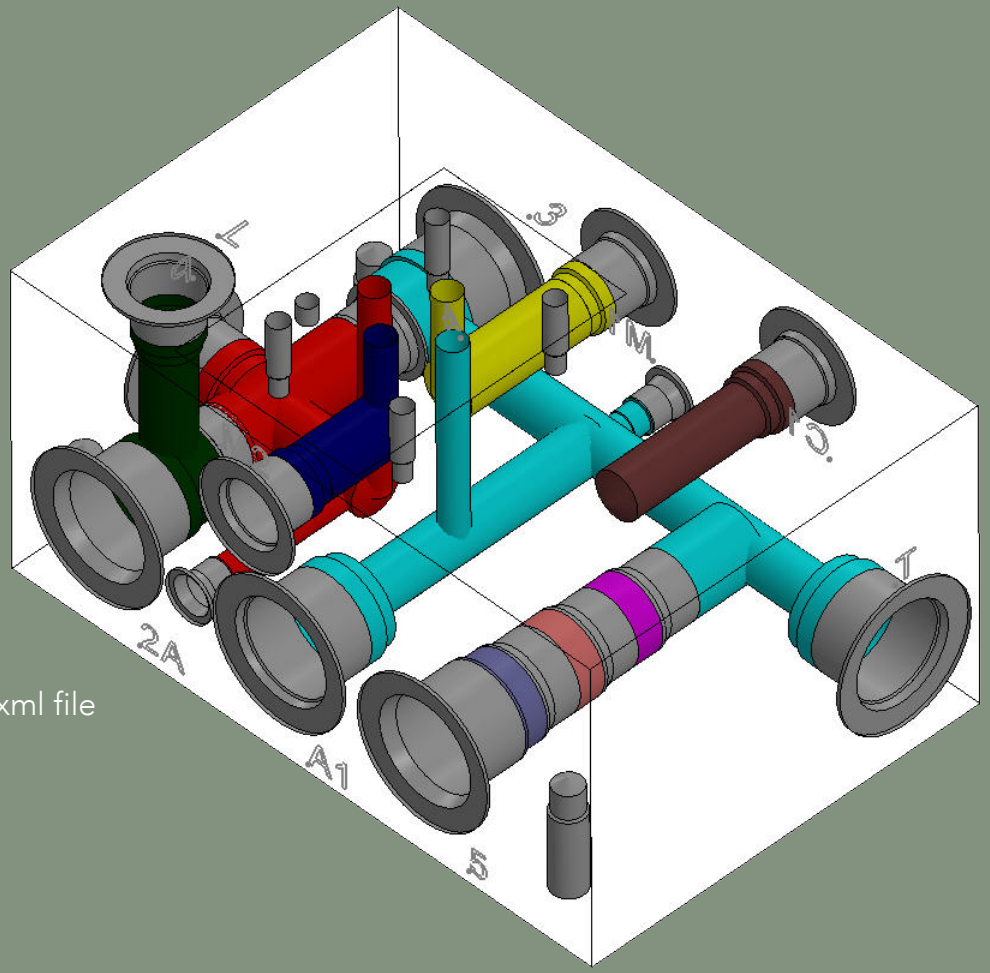
Note: Local Help can be used by downloading and installing the Local Help setup.

NEW

Progress Status Bar displays during Import of 'mbxml' Files



Status bar indicates progress of the import



Intermediate block, while importing mbxml file

NEW

Do more…

MDTools® 965

manifold design app

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