

What's new 2025 – Parte 2

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Outline





Add re-estimated clamping force in XY Plot considering user-defined coordinate system





New Measurement Tools - Parallelism & Perpendicularity

Measure Digital Models Just Like Physical Parts!







M E E = ≈ ☆ ∽ ≁ 2 0 0 DAT demo - Moldev3D Studio 2 Uciping Is-Centour Is-Centour Is-Sector Is-Centour Is-Sector Warp Measurement Model \$\$\$ • Q • T • • • • • • • • • Perspective 🗸 Run 2 Warpage_Total Displacement [m] ¥ Target > 🔿 🔚 Moldbase(1) i r 1.992e-03 O Cooling Channel(12) • O • Boundary Conditon.. 1.866e-03 O Non-attributed(32) . . The soundary Conditions 1.740e-03 🖌 💿 💿 Melt Inlet EM#1 t 1.615e-03 1.489e-03 I I 1.363e-03 1.237e-03 1.111e-03 9.850e-04 Datum 8.591e-04 7.332e-04 6.073e-04 4.814e-04 3.555e-04 2.296e-04 1.037e-04 0.010 m Moldex3D





0.010 m Moldex3D



$^{ op}$ [Studio] Improve Fiber and Flake Result Display

- > New 3D display for smooth calculation and optimized performance
 - Allow fiber orientation result display with ellipsoid
 - Improve for clearer and smooth display result on flakes when they stack in 3D view
 - For new result display, it requires the computer supporting OpenGL 4.3





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Do You Rely on a Manual Checklist to Validate Results?

Status

V

V





Result Criteria – Automate Your Standard Checks!

- Define your own criteria for result interpretation.
- Instantly validate multiple results at a glance.



How to Create Result Criteria





When Your Buyer Requests a Report in a Specific Format...





Easily Generate Reports That Fit Buyer's Requirements

A Shell Workshop		Shell_Workshop
∠ ∠ E Run 1		🔺 🖪 Run 1
🔺 式 Model-Bumper.msh		Model-Bumper.msh
🛋 Thickness		🖕 Thickness
😹 Material-PP_SABICPP576S.mt	r 📃	Material-PP_SABICPP576
Rrocess-Shell_2022R1_Run1_	1.pro	Process-Shell 2022B1 Bu
Analysis-C F/P C W		
Computation-Shell_Workshop	1.cmx	Analysis-C F/P C W
🔺 🂽 Result FPCW	≣ĮNote	Computation-Shell_Worksh
∡ F Filling, Time = 5.24000 sec (I	EOF) 💀 Clear Results	🖌 🌉 Result-Audi Tape Result List
📥 Melt Front Time	Apply Verification Template	🔺 🔛 Audi Tape
🚢 Air Trap	Save as Verification Template	Model Information #1
🔏 Weld Line		
Gate Contribution	Apply verification template	► Sprue Pressure #2 =
- Pressure	Apply Verification Template	Cold/Hot Runner Gat #3
📥 Melt Front Temperature	ID Verification Template	Cold and Hot Runner #4
📥 Mass Flow Rate	Preference	
📥 Shear Stress	1 Moldex3D	Report – 🗆 ×
📥 Shear Rate	2 Audi Tape	
📥 Velocity Vector	Project	
	1 Verification Template(設計案例)	Format: 🔘 💼 PowerPoint (*.pptx)
		Excel (* xlsx)
	Apple	
	Appi	
		7
	V	12

+ Export & Import: Share Your Verification Templates Effortlessly









⁺ Enhance User Experience when Navigating Materials

- > Allow direct navigation from search results to target bank location
- > Support searching material by different filler content and fiber L/D ratio





The temperature setting range can be asynchronous when comparing different types of materials





Revamp View and Coordinate Control Functions

- > Add View Cube for smooth and interactive view control
- > Enhance view and coordinate control with new design layout







When the mouse wheel forwards in Studio, does it mean Zoom in or Zoom out?



Zoom In or Zoom Out? You Decide!

Preferences					
General	View Manipulation				
File	Mouse Mapping :	Studio			×
Unit and Number	Rotate	9	P	Pan	Zoom
Mesh	P		+	Shift	t i i i i i i i i i i i i i i i i i i i
Display			+	[]	+ Ctrl
Customized			<u> </u>	Chiff	
Keyboard and Mouse				Sint	
Keyboard Shortcuts			+	Ctrl	
View Manipulation					
	*Using a single key Mouse Whee	"Left Mouse Button'	equires	selection to	o be disabled
					OK Cancel



Rotate, Pan, Zoom – Use the Mouse Controls You Know and Love

Preferences		
General	View Manipulation	
File	Mouse Mapping :	Studio
Unit and Number	Rotate	Studio
Mesh		Creo
Display	(P)	NX
Customized		Abagus
Keyboard and Mouse		SolidWorks
Keyboard Shortcuts		
View Manipulation		Phine
	*Using a single key Mouse Wheel Forwa	Rnino HyperMesh CATIA User defined
		OK Cancel



Nothing Fits? Tailor Your Perfect Mouse Settings!

Preferences		
General	View Manipulation	
File	Mouse Mapping : User defined	
Unit and Number	Rotate Pan Zoom	
Mesh	+ Shift	
Display		
Customized		
Keyboard and Mouse	Liser Defined	×
Keyboard Shortcuts	osci benned	~
View Manipulation	Rotate	
	Right Button + Unused + Unused	- 🖮
	*Using a Left Button • + Ctrl • + Unused	- 1
	Mouse V Pan	
	Right Button + Shift + Unused	•
	+ Add New Key	
	① Zoom	
	Mouse Wheel + Unused + Unused	-
	🕂 Add New Key	
	ОК	Cancel

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Enhance Result Display for More User Settings

- > Provide option in Display tab to enable/disable symmetry display
 - Support symmetry setting in result and report display
- > Add Extreme Value Finder to target critical phenome
 - Find specific value from result statics and show its time and location







+

[Computation Parameter] Allow Customized Time Step Refine

- ✓ No need for manual calculations or Excel
- ✓ Options for dividing by step count or step size
- ✓ Support setting with volume filled (%)
- ✓ Easy to focus on what matters, even during Extend Packing

Multiple time steps output setting :	🛃 Data Editor		
-Setting Method: Volume Filled (%)			
Filling: 10		Add Time	Sectio
Curing: 3			
Run fiber orientation analysis	Output Time	Value	
- Particle Tracer	Setting Method	Volume Filled (%)	\sim
Particle tracking from	- Filling Analysis [0~100] %	10	_
Weld line particle	Melt Zone extra intervals per step	3	
Consider crystallization effect	Volume Filled (%) #1	9.09091	_
<	Volume Filled (%) #2	18.1818	
	Volume Filled (%) #3	27.2727	
Advanced	Volume Filled (%) #4	36.3636	
1	Volume Filled (%) #5	45.4545	
ate setting	Volume Filled (%) #6	54 5455	

Support time section: Filling, packing/curing, foaming, cooling, opening, post mold cure, wire-sweep





Moldex3D Studio

Lightweight





License Agreement			^
Installation Guide	Moldex3D Moldex3D 2025 (64-bit)		
Select Modules	Moldex3D Help (Offin Moldex3D Sample	ne)	
Parallel Computing Setting Summary	Cluster (DMP) mode con Remote Computing C Moldex3D Add-ons Moldex3D CADdoctor Moldex3D Digimat-MS 20 Moldex3D Mesh Rhino 8 (64-Bit) Moldex3D Mesh (64-bit)	figuration (Master Node) omponent (Cluster mode) 2025 (64-bit) 125	~
	Moldex3D Destination Folder	C:\Moldex3D	Browse
	Moldex3D Working Folder	D: \MDX_WorkingFolder	Browse
	Rhinoceros 8 Destination Folder	C:\Program Files\Rhino 8	Browse
	Others Uninstall Moldex3D earlier version Move Moldex3D 2024 preferences	setting to new version	Select
Moldex3D		Back Next	Cancel

Installing Studio 2025? It automatically removes old versions to free up space!





MOLDING INNOVATION

Smooth transition



Your custom settings from 2024? They come with you—no extra setup needed!

Preferences of Studio, Material
 Wizard, and Process Wizard
 Material User Bank

🗹 Machine User Bank



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Adjust output precision to reduce result file size.

Selectively retain essential project data.

Thank you