



Making Sense of Measurement



June 2020

Hi Reader, below is a list of highlights for the month of June.

<u>News:</u>	CheckMate's New Release
<u>Webinar:</u>	Utilizing Bonus Tolerance on Unmeasured Datums on video
<u>Tech Tips:</u>	<p>#87 - Translate to a Point</p> <p>Check out this SOLIDWORKS® Performance Setting</p> <p>Cp/Cpk's in CheckMate Statistical Labels are Now Color Codes</p>
<u>Did You Know?</u>	
	What our Customers Have to Say!
	<p>How to Access Short Keys List In CheckMate 14</p> <p>Updated CheckMate Training Manual</p>
	Software Unlocking Policy
	No time? Stay Up-to-date 'The Easy Way'
<u>Stay Current:</u>	CheckMate for SOLIDWORKS® New Release Available Now

CheckMate for SOLIDWORKS® New Release

Origin's New CheckMate Release Delivers Features For Companies in the SOLIDWORKS Community Ramping Up Lean Manufacturing and the Digital Thread

Here are some examples:

Lean Manufacturing. Critical features needed to align parts on inspection features were impossible to measure repeatedly. The new release of CheckMate for SOLIDWORKS® turns these features into virtual features. They can be measured with precision every time and measurement results can be used in GD&T analysis. This is critical for manufacturing engineers as they set up to manufacture assemblies made from stamping, machining and welding.

Digital Thread. Instead of plowing through numeric print outs - with this newest version - Origin CheckMate users will see In-Out tolerance conditions of geometry at a glance. The enhancement of CheckMate's digital twin will enable it to display geometry condition as face colors on part models. Green shows good, red and blue show high or low. CheckMate also provides users with the same ability to use all MBD in the same automated programming workflow at the same time whether the source was DimXpert from SOLIDWORKS® or annotations from NX, ProE, CATIA.

"While inspection has long been an afterthought, it's become a core tool of manufacturing engineers," said Murray Desnoyer, founder of Origin International. "In smart manufacturing and the digital thread, inspection is no longer a data archiving function. CheckMate's ability to analyze the GD&T of inspection data in SOLIDWORKS® gives manufacturing engineers a tool for machine utilization and throughput that they need and have never had."

See some of the top enhancements below...

Programming:

- **Probe Configurations.** You can now use more than one CheckMate probe in a single segment.
- **Created a new Probe builder application** that supports multiple configuration to support probe changers.
- **Multi-point measurements.** New AutoSection Option for segmentation and a new CheckMate Ribbon called 'ScanEdit' are simple yet sophisticated tools to edit spacing.
- **Added probe** movement, probe selection, and Accessibility Analysis internal to a feature.
- **Added Multi-face** GSURF capabilities.
- **Converting multipoint surface measurements** to scan mode. Now, right click a feature in the Programming Browser and select 'Change Mode'.
- **Coordinate system creation.** CheckMate now allows coordinate systems to be created from just two datums if the secondary is a pattern feature.
- **Collision Detection.** Ability add to generate a "CheckMate Fixture" for collision detection.
- **Automated program generation from PMI.** Identical workflows to process MBD annotations from both DimXpert (AutoMBD) or QIF (QIF2Segment), including support to use SOLIDWORKS Inspection balloons as characteristic labels.

Reporting:

- **Digital Twin enhancement.** CheckMate changes the face color of the CAD geometry based on tolerance condition, i.e. In or Out.
- **Bonus tolerance enhancement.** Now, add actual diameters to virtual feature(s) so that even virtual features are included in GD&T analysis of bonus tolerance.
- **PDF Reports.** Complete width from the Reporting Browser fields is now included in PDF reports.

- **Layout Names.** Width of the field has been increased.

For more details, contact sales@originintl.com or call 1-800-269-2509

What Our Customers Have to Say

Just so you know...YOU'RE THE BEST!!! In all my years in this industry (like 30+) , I've NEVER had or heard of this level of response and support with software!! And I've been around. *John C. Morin III/G.P.R. Co.*

WEBINAR

Now on Video : June 25th, 2020



Utilizing Bonus Tolerance on Unmeasured Datums

[Download Now](#)

It is not too late to view previous webinars -

[CheckMate Labels: The New Look](#) [CheckMate for SOLIDWORKS](#)
[New MEASALL Function](#)

11:00 am | Eastern Standard Time (New York, GMT-05:00) | 1 hr

TECH TIPS

TT87 - Translate to a Point

Reviewing how to create a temporary origin on the part to avoid the need of a manual alignment, in CheckMate for SOLIDWORKS®.



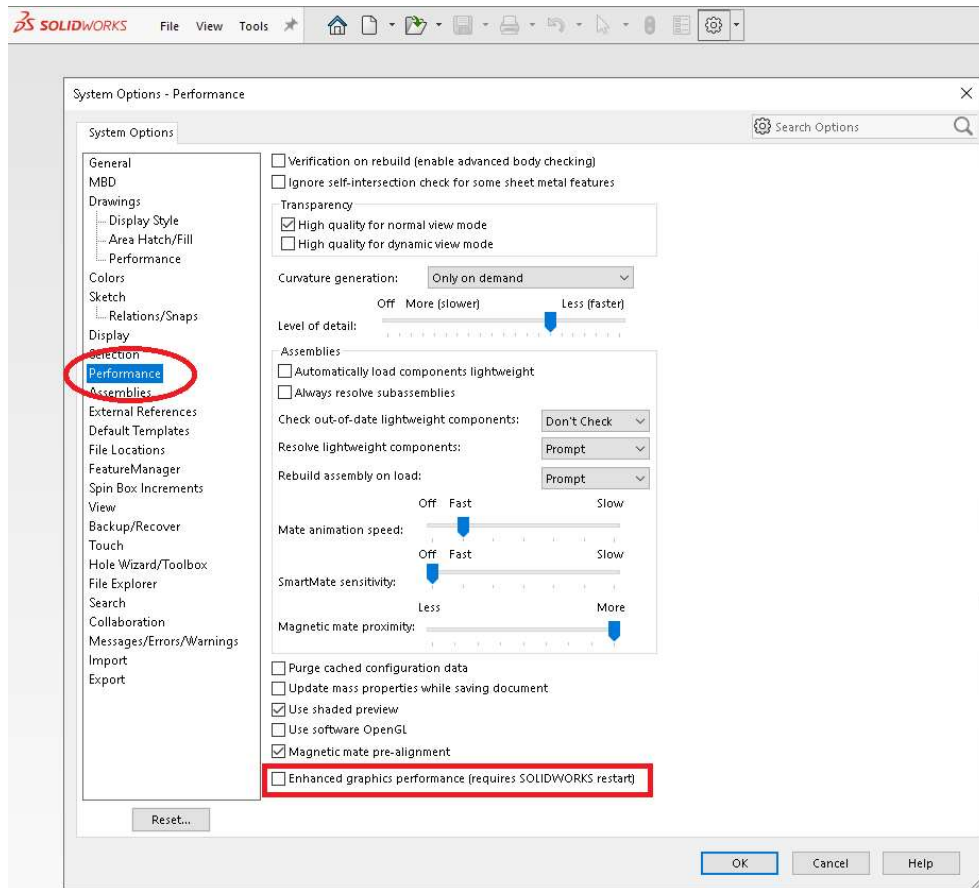
Recommended SOLIDWORKS® Performance Settings

As more of our CheckMate customers are downloading and installing SOLIDWORKS® 2020, we have discovered a SOLIDWORKS® performance setting that is causing CheckMate picks in the graphics area to be projected to a workplane and not onto the CAD. The result is that measurements intended to be on the part are showing up out in space.

The solution that we have found is as follows:

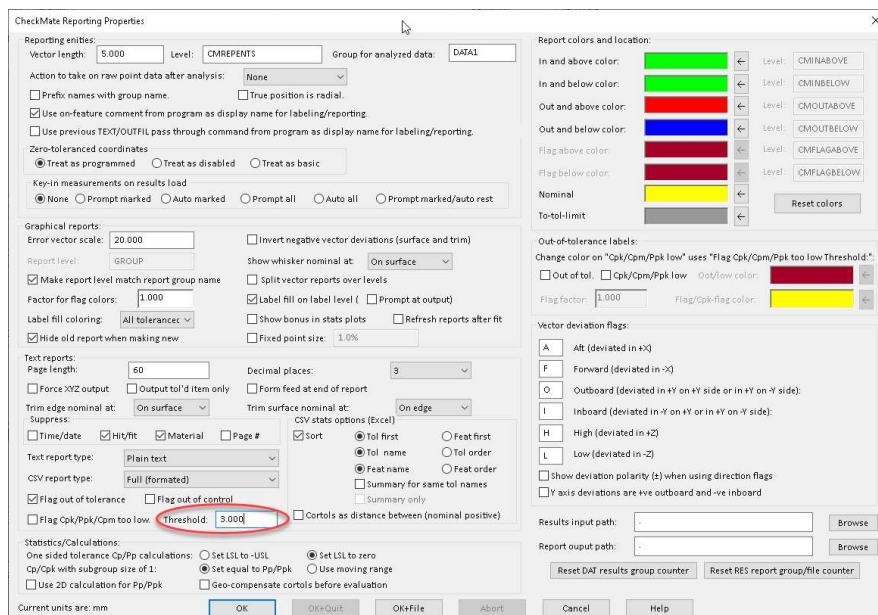
- 1) Open CheckMate for SOLIDWORKS® but do NOT open any part files.
- 2) Got to <Tools/Options> and Select the heading on the left side called "Performance"
- 3) At the bottom of that page, uncheck the entry called "Enhanced Graphics Performance".
- 4) Quit out and restart CheckMate for SOLIDWORKS®.

See image below



Cp/Cpk's in CheckMate Statistical Labels are Now Color Codes

Description: When filling CheckMate statistical labels using CM14.00.0173 or newer, The Cp/Cpk's values are now color coded. The color coding is defined in the Reporting Defaults under "Threshold" (see picture). Any Cp/Cpk's above this value will be colored green. Any Cp/Cpk's below this value will be colored red.



[Check out our video series about CheckMate Coordinate Systems. Tech Tip 79 to 83](#)

Review Workplane Enhancements



[How to access the ShortKey list in CheckMate for SOLIDWORKS®](#)

[CheckMate Updated Training Manual Link](#)

[Origin's New Software Unlocking Policy](#)

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Stay Current

CheckMate for SOLIDWORKS® ... new version 1073 now available

CheckMate APPS ...new version 1073 now available

CheckMate Training Videos "Check for Update" link now available

Origin International Inc. is focused on providing software solutions and consulting services to world class manufacturers, their suppliers and industry leading metrology solutions providers.

Manufacturers that choose Origin software solutions are industry leaders in innovation, quality and cost effectiveness within the Automotive, Aerospace, Transportation and Consumer Products industries.

If you would like more information, don't hesitate to contact us at 1-800-269-2509.

Sincerely,

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