

WHAT'S NEW IN THE 600 SERIES

V697	14.0	ENHANCEMENT:	PC-DMIS iterative alignment handling added to PCDMIS BAS loader fine tuned.
V696	14.0	ENHANCEMENT:	PC-DMIS iterative alignment handling added to PCDMIS BAS loader.
V695	14.0	ENHANCEMENT: ENHANCEMENT:	Improved action line snap adding MID and CENTER. Now capture DIM label and feature type for description for NETINSPECT to enhance PC-DMIS feature descriptions.
V694	14.0	FIXED: ENHANCEMENT:	Probe rotate best angle was not using the feature's clearance for placement location. Release of collision avoidance.
V693	14.0	ENHANCEMENT: ENHANCEMENT:	Construct circle now from surface points inside a variable depth hole (hole on a round surface) Improvements to auto clearance moves/probe changes.
V691, V692	14.0	INTERNAL:	
V690	14.0	FIXED: ENHANCEMENT:	MBD Sheet metal kept inverting slot normals. AUTOMEAS enhanced so that Shmt still creates planes (because datums) but Pts creates surface measurements.
V689	14.0	FIXED:	Had trouble constructing a line between 2 features.
V688	14.0	FIXED: FIXED:	Incorrect bonus on width positions fixed. CMCLEAREP not deleting color map
V687	14.0	Release	Calypso loader candidate release
V686	14.0	FIXED: ENHANCEMENT:	PC-DMIS bas program loader was not correctly addressing Probe move in the correct location For surface measurements, if the AutoMeas setting is Prs3d or Prs2d then we get generic curve measurements, and if it's Shmt or Pts we get multi-point measurements.
V685	14.0	FIXED:	Reworked 'SAFETY-PLANE' in Calypso program loader.
V684	14.0	FIXED:	fixed CMINSERT for constructed arcs and circles, added 10-try maximum for UVMEAS with minimum number of points (infinite loop sometimes with long, skinny trimmed surfaces)
V683	14.0	FIXED: FIXED:	pcdmis bas loader, the y clearance plane not importing the correct numbers when there is a subcoordinate system. CMB,MBD not putting datum label on slot.
V682	14.0	FIXED: ENHANCEMENT:	When picking a face and extracting the MBD tol info, found and fixed some failures on complex features. Add mbd3 for auto measuring MBD on sheetmetal.
V679	14.0	FIXED	PC-DMIS bas program loader was not correctly addressing the 5 XML special characters (& <, >, " and ') being found in CMM reports in feature labels or comments.
V678	14.0	ENHANCEMENT: FIXED: ENHANCEMENT:	For loading nested reports, made the group counter start at 2 after loading the first report. Calypso program loader wasn't applying blue connectors at the end of program load. Added the ability to scale a faceted model between mm and inches using the

			CMFLIP command.
V677	14.0	ENHANCEMENT:	For nested programming added report splitting in the program and handles the split automatically when loading.
V676	14.0	FIXED: FIXED: ENHANCEMENT: FIXED:	The Calypso loader was incorrectly converting constructed lines into measured lines. Wild % of tols in the Excel_OUT.csv was causing incorrect color mapping in the excel report in certain situations. Improved functionality of the QIF report generator. Autoselect probe angle based on picked feature was broken.
V675	14.0	ENHANCEMENT: FIXED FIXED: ENHANCEMENT:	MENT: Added new support for fixed, PH9/PH10 and PH20 probes. PcDMIS output code had the switch stuck 'on' for PH-20 support. CheckMate outpt for Modus was reversing the PH20 AB angles When using Edit Probe need the Auto angle to be generated at the exact angle not the closest angle of 7.5 degrees.
V674	14.0	ENHANCEMENT: ENHANCEMENT:	When loading Calypso scans the path is now preserved. (directions, start and end, etc) CheckMate displays line direction when doing a mouseover.
V673	14.0	INTERNAL USE ONLY	
V672	14.0	ENHANCEMENT: FIXED: FIXED:	Modus is doubling the Depth setting, so CM now uses a depth setting of 0 and moves the measurement points down the the required depth. When CM14 outputs to Modus, slot measurements with l,w,x,y enabled was only outputting l,w. Constructed line between 2 planes was failing due to an exact 45 degree angle.
V671	14.0	ENHANCEMENT ENHANCEMENT FIXED	'Shifting' a trim measurement will automatically update its vectors. When 'shifting' a measurement, a TR will now shift with it, if it exists. Fixes to the PCDMIS bas loader pertaining to the YMINUS workplane setting in pcdmis.
V670	14.0	ENHANCEMENT	Improvements to the AUTMEAS function with SAT and STP files.
V669	14.0	FIXED	Excel Multipiece - getting difference x,y,z,d values for individual parts if subgroup size is changed from 1 to 5.
V668	14.0	FIXED FIXED	Cannot generate a DP Checklist report from CheckMate to an xlsx file. Cannot generate a DP Checklist report from CheckMate to Excel.
V667	14.0	INTERNAL USE ONLY	Same as 666, but with QIF Support.
V666	14.0	INTERNAL USE ONLY	
V665	14.0	ENHANCEMENT	Improved AUTOMEAS Flow.
V664	14.0	FIXED	Attempted fix at Scripting crash.
V663	14.0	FIXED FIXED	Modus output from checkmate not outputting Cylinder angles. Put A1/A2 code in place for cylinders, planes, cones and slots
V662	14.0	FIXED	Load multiple cmm reports at once caused CM to load the first file only, that many times.
V661	14.0	FIXED FIXED	Projection of circle outer-cant find centre Auto alignment - the coordinate system flips to a -Z.
V660	14.0	ENHANCEMENT	Added support for importing Line-Profile from Camio.

V659	14.0	FIXED FIXED FIXED	CM14 was importing PC-DMIS bas features in "AUTO" mode which must be in "PROGRAM" mode. The PC-DMIS Workplane/Safety Plane is not correctly implemented. Target points are corrected for location and vector because they may have been learned on an actual part. This was not working correctly on polar circles.
V658	14.0	FIXED FIXED	PCDMIS BAS LOADER - PC-DMIS's YPLUS and YMINUS are not ZX work-planes, but XZ work-planes. If there was a coordinate system immediately after a probe rotation it did not recall the
V657	14.0	FIXED	segmented circles should not allow adding drag points.
V656	14.0	FIXED FIXED ENHANCEMENT	Outputting a CheckMate14 program to Modus - Cylinder measurement with dia,x,y enabled only outputs dia. Label Templates lost their level connectivity. Added support for CMM Manager reports.
V655	14.0	FIXED FIXED FIXED FIXED FIXED	Layer 0 getting purged and CAD geometry unable to be placed on it. Program sorting not putting datums first. Alignment background constructed line with incorrect values. PARPLN auto point generation from CAD not working. Windows 10 has a scale slider for screen magnification giving undesirable Graphics.
V654	14.0	ENHANCEMENT ENHANCEMENT FIXED	added TOL/WIDTH material condition support to ballooned TOL/POS for slots and parpln Material condition dependencies now included in /#CMU,JUSTIFY feature/tolerance reordering FCF for position of slot/parpln diameter symbol removed
V653	14.0	ENHANCEMENT: ENHANCEMENT: ENHANCEMENT:	/@AUTOCLR2 adds internal GOTOS to parpln outer QIF Results merging with QIF MBD/Plan option added Calypso results loader (_CHR.TXT) added support for MidPlane
V652	14.0	FIXED FIXED	QIF Program Loader had incorrect probe tip selection for parallel planes. QIF Program Loader needed code to normalize cylinder directions based on a combination of the probe vector and whether the axis intersects the solid in one direction but not the other.
V651	14.0	FIXED FIXED	QIF Program Loader points should now appear on parallel planes faces. QIF Program Loader ordering should float the first saved coordinate system to the top.
V650	14.0	Internal	
V649	14.0	ENHANCEMENT	PC-DMIS BAS program Loader now supports DIMENSION_ A_LOCATION and MOVE_CIRCULAR.
V648	14.0	ENHANCEMENT	Calypso loader now supports safety planes.
V647	14.0	Internal	
V645	14.0	Internal	
V645	14.0	FIXED ENHANCEMENT	Program loader was misplacing constructed spheres and cylinders. Can now use /#sfi,scan SCAN to load the pre-aligned STL against a CheckMate segment. No CAD, no colormap necessary.
V644	14.0	ENHANCEMENT	/XYZP added BLO,<name> to allow picking of a group by name in a command or script.

		FIXED ENHANCEMENT	Issue with level display in layouts (the Model layout was still hooked to another layout) /HOT+,ARC, /HOT+,CIRC DIA modifier now prompts if diameter (or dia range) is not specified as modifiers.
V643	14.0	FIXED ENHANCEMENT FIXED	When Loading an apt file to a CheckMate segment, the tolerances were not coming in right if the upper and lower tols were different. Added support for Automatic hole Measurement- /drwb,pic,arcs for drawing borders only if they are wireframe arcs/circles. /#cmj,all,cen,chain to put hot circles/arcs center points on the action line. Double partial circles not being generated with the segmented setting.
V642	14.0	FIXED	MLB2DMIS not being installed in the correct location.
V641	14.0	ENHANCEMENT: ENHANCEMENT: FIXED	CMSTLIN to import an STIL file, use CMTRANS populated with the COLMAP transformation (which includes initial alignment and adjustment by one or two fits) to move/rotate the resulting mesh, and then use CMSTLOUT to export the transformed mesh as STL. Add probe configuration support to CM 14 for both PRB and SLDPRT probes and collision detection. When the matrix is a small rotation about Y the angles can come out wrong.
V640	14.0	ENHANCEMENT: FIXED: ENHANCEMENT: ENHANCEMENT: ENHANCEMENT:	Calypso loader - when a pre-CAL segment is created, all measurements are deleted and the translation re-started using the transformed actuals/geoactuals data. CAL output setting now available from DMIS tab. IMS Virtual DMIS loader improved. Support for constructed points in SoftOrient data loader. Added * character to white space loader for 3D point to point position tolerance
V639	14.0	FIXED:	APT program loader was not loading nominals with no ijk's correctly.
V638	14.0	ENHANCEMENT: FIXED ENHANCEMENT: FIXED ENHANCEMENT: ENHANCEMENT:	APT program loader enhanced such that nominals with no ijk's will be dummy 3D construction points. Corrected browser labels for recalled coordinate system program entities. Calypso loader - added support for identified #tempReferenceSystem in addition to existing #referenceSystem support for automatic recall of coordinate systems before tolerance output. Calypso loader - corrected issue with geoactual _APTIN group names being split by stripping mis-perceived file extension. Green background when Automeas active. AutoMeas defaults to OFF when opening a file.
V637	14.0	Internal	
V636	14.0	ENHANCEMENT	Calypso loader- added support for nominal parallel planes feature (definition, output and use in constructed plane)
V635	14.0	FIXED:	CheckMate trying to load the Calypso fct model from a location that doesn't exist.
V634	14.0	FIXED ENHANCEMENT: FIXED:	Colmap now updates correctly when a fit is performed Any place in CheckMate14 where you could enter the probe diameter, you can enter the value in inches or mm, by putting an 'mm' or an 'in' after the number regardless of the current working units. Fixed balloon Positional Tolerance when using MMC
V633	14.0	FIXED	Probe angles now added correctly to the CheckMate probe list when

			importing a PC-DMIS bas file and you have a probe file loaded.
V632	14.0	<p>ENHANCEMENT:</p> <p>FIXED</p> <p>FIXED</p> <p>FIXED</p>	<p>Any CheckMate coordinate system that results in a translation matrix that matches CAD now causes the output of \$\$ SET.CAD2PCS.ALL (OpenDMIS flavor only)</p> <p>PC-DMIS bas loader - The nominal distance was being handled assuming it was saved/loaded without scaling for units. This wasn't the case causing the units issue for distance-betweens.</p> <p>PC-DMIS bas loader - the display of approach/retract as vector length on points and planes was incorrect although the on-feature values were correct.</p> <p>PC-DMIS bas loader - Now the loader only recognizes PC-DMIS 2D distances as 2D if they are point to point, otherwise they are interpreted as CheckMate 3D distances with no projection.</p>
V631	14.0	FIXED	probe move relative to a picked measurement was broken.
V630	14.0	FIXED	Increased performance for colormap edit screen (was causing a grinding halt.
V629	14.0	FIXED:	Increased performance for colormap edit screen (was causing a grinding halt.
V628	14.0	<p>FIXED:</p> <p>FIXED:</p>	<p>AutoMEAS Autopoint MID selection improved functioning.</p> <p>CMGROUPDEL did not purge levels.</p>
V627	14.0	Internal	
V625	14.0	ENHANCEMENT	Calypso pre-Alignment issues.
V625	14.0	<p>FIXED:</p> <p>ENHANCEMENT:</p> <p>ENHANCEMENT:</p> <p>ENHANCEMENT:</p>	<p>Second-pass issues with CMPCDMISIN(second pass always done,SNSLCT pass-throughs missing,manual mode measurements all dcc)</p> <p>Implemented LOCATE with OpenDMIS</p> <p>Added setting for suppressing initial SNSLCT on output program screen.</p> <p>Made text in the Messages Tab 'selectable'.</p>
V624	14.0	ENHANCEMENT:	Implemented units autodetect for PCDMISIN BAS loader.
V623	14.0	ENHANCEMENT:	Implemented PH20 non-flick mode support for Modus on output program screen.
V622	14.0	FIXED:	A1 and A2 angles for constructed lines are recalculated from the actual IJK at output time. Added code to check if the actual and nominal vectors are exactly the same, and if they are don't recalculate.
V621	14.0	<p>ENHANCEMENT:</p> <p>FIXED:</p>	<p>Implemented QIF support. See CheckMate user manual for complete details.</p> <p>CheckMate was using the wrong component of the trim check for the partial Co-ordinate System.</p>
V620	14.0	<p>FIXED:</p> <p>FIXED:</p>	<p>Outputting probe names in SLDASM file didn't work.</p> <p>PCDMIS bas loader didn't apply depth setting correctly to a circle outer.</p>
V619	14.0	<p>ENHANCEMENT:</p> <p>ENHANCEMENT:</p> <p>FIXED</p>	<p>PCDMIS BAS file had an issue with illegal names(names with round brackets in them), which caused coordinate system issues.</p> <p>Probes are now supported by CMPCDMISIN. Probe angles not already on the probe are added automatically by parsing the active tip name.</p> <p>Origin introduced a bug that bugged all tolerances after the second probe was encountered. There was a "1" being added to all labels not just probe labels.</p>
V618	14.0	ENHANCEMENT:	When loading programs, CheckMate puts a comment in for probe changes and adds a prefix to probe#2.
V617	14.0	ENHANCEMENT:	PCDMIS changed BAS file format for probe changes. The loader now handles old and new format.
V616	14.0	FIXED:	MLB loader issue with the distance between with "WIDTH" in the name not

		FIXED:	loading results correctly. Fixes the slow-double-click edit of coordinate system names.
V615	14.0	ENHANCEMENT: FIXED	Added new AutoMEAS options Boundary, Edge, Midline, Flow. Units-detect on LK Camio loader
V614	14.0	ENHANCEMENT:	Implemented QIF support. See CheckMate user manual for complete details.
V613	14.0	FIXED	LOCATE/SO switch activated for PCDMIS output, DMESW/COMAND,'LOCATE...' translated to LOCATE.
V612	14.0	Internal	
V611	14.0	FIXED	features with unilateral tolerances, not outputting to the excel report.
V610	14.0	<u>Release</u>	
V609	14.0	ENHANCEMENT:	PCDMISIN scan loading now constucting Gsurfs from Gcurves (instead of Gsurfs).
V608	14.0	FIXED:	SW crashes on file close when browser dialog is active.
V607	14.0	FIXED:	SW crashing due to having multiple files open with different number of viewports opened.
V606	14.0	FIXED: ENHANCEMENT:	Excel output was prompting for the CSV file name and location. It should not be doing this. PCDMISIN construction of a GSURF from other GSURFs has been reworked. Instead of getting output like... F(label)=FEAT/GSURF CONST/GSURF,F(label),BF,FA(in1),FA(in2)... It is now: F(label)=FEAT/GSURF,CART,PTDATA,x,y,z,i,j,k... NPT0=VALUE/FA(in1),PTDATA NPT1=VALUE/FA(in2),PTDATA ... CONST/GSURF,F(label),BF,FA(in1)[1,NPT0],FA(in2)[1,NPT1]...
V605	14.0	FIXED: ENHANCEMENT:	ijk's were in the wrong columns in the EXCEL_OUT.CSV file. the /#CMU,EXPORT... SILENT now puts the CMX in the same folder as the DWG
V604	14.0	FIXED:	PC-DMIS was only import part of the RTF results file. There is code in the PC-DMIS loader that "scrubs" the RTF file by loading it into a rich text control and writing it out again. For some unknown reason on a customer file it truncates the new written file. Took the scrubber out and the file loads fine. To invoke the scrubber you now have to explicitly use /#SFI,CLEAN
V604	12.1	ENHANCEMENT:	/#CMU,EXPORT... SILENT now puts the CMX in the same folder as the DWG
V603	14.0	ENHANCEMENT: ENHANCEMENT:	New /#SFI,TAGS modifier. - removed requirement for Calypso _CHR.TXT file to contain _CHR when TAGS modifier used New /#SFI,TAGS modifier. - suppressed "No results loaded" message when TAGS modifier used
V602	14.0	Skipped	
V601	14.0	ENHANCEMENT:	New /#SFI,TAGS modifier. - added support for metadata and feature number tags <> via TAGS modifier as well as meta data native support to LK/Camio/Modus, PC-DMIS, DMIS and Calypso loaders.
V600	14.0	FIXED:	CheckMate wasn't finding the units settings when importing the BAS file using CMPCDMISIN.