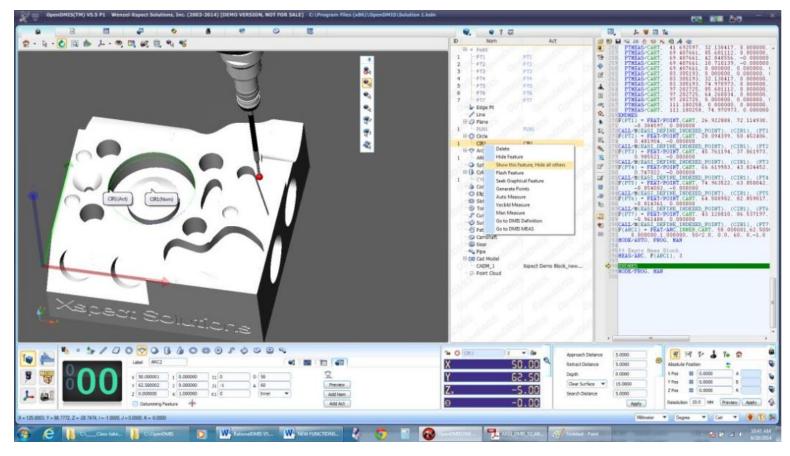
# **OpenDMIS 5.5 Enhancements**



#### User Interface and usability improvements

1) Start-up programs can be called to preconfigure	13) MRS rack functionality is supported in
OpenDMIS at start up.	OpenDMIS Version 5.5.
2) Error recovery in the middle of a measurement	14) The feature fitting method can be changed from
has been added. If a bad touch or any other error	Property page for all supported prismatic features.
occurs while measuring the program can be asked	15) Calibration warnings now can be set to change
to measure again.	more often. This is helpful for customers that
3) Star Probe calibration has been greatly	calibrate sensors on each shift.
enhanced.	16) Drag and Drop, DND for feature construction
4) Adjustable angles for the knuckle probe have	continues to be expanded.
been added to the BUILD SENSOR functionality.	17) Default tolerances can now be set with a Right
5) Disk probes can now be AUTOMATICALLY	Mouse Click as well as DND to the default area.
calibrated on the calibration sphere as well as a ring	18) Programs not generated in OpenDMIS do not
gage.	always programmatically generate clear surface
6) Quick updates of the Graphic Viewer window. A	commands. When there are no clear surface
new function "Show this feature, Hide all others"	commands in a program OpenDMIS offers two
quickly clears unwanted graphics when viewing	options to resolve this.
complex parts.	1. There is a built-in macro
7) Circular runout to an end-plane when datumed to	"EASI_CLEARPLN_GOTO", where EASI stands for
a cylinder has been added.	External Array Software Incorporated.

8) The multiple point bestfit coordinate system interface has been enhanced.	<ul> <li>2. Applications Setup adds an option of Apply Clear</li> <li>Surface in MODE/PROG, MAN.</li> <li>19) The diameter of Chamfers can easily be</li> </ul>
<ul> <li>9) Sensor Label right mouse menu adds <copy< li=""> <li>label&gt; option. This is useful when creating a logical</li> <li>name for tools defined in the UCCServer.</li> </copy<></li></ul>	computed with the new construct circle at current coordinate elevation function.
<ul><li>10) Feature Pattern has been added.</li><li>11) A new CAD export function has been added.</li></ul>	20) In the Feature Data base multiple curves can be selected and using DND a single curve can be
The IGES output window adds a new option to export just the measurement points.	constructed. However from time to time it is possible for the curve components to assemble the new
12) OpenDMIS now allows translation without first leveling or setting a directional alignment.	curve out of order. The Fix Edge Order tool will automatically resolve this.

### Reporting

<ol> <li>OpenDMIS Version 5.5 now supports tolerance symbols in the Graphics Report.</li> <li>OpenDMIS Version 5.5 now supports multiple auto arrangements in the Graphics Report from a new drop down menu shown below.</li> <li>Output setup adds new option to output PTMEAS with calculated dx, dy, dz, dr.</li> <li>DMIS output supports feature GSURF and GCURVE RAWDAT output format.</li> <li>Graphical report and Form Error report PDF output adds an option to include file path on the PDF file.</li> <li>The Sensor Mount Calibration tool is in the interface by default.</li> </ol>	<ul> <li>7) The FEATURE WATCH window, available in recent versions of OpenDMIS allows users to view measurement data in real time without the need to output the measurement.</li> <li>8) Pictures can be programmatically added to reports.</li> <li>9) There are new short cut keys to turn windows on and off in OpenDMIS.</li> <li>10) The symmetry tolerance implements callouts to a single axis to the reference axis.</li> <li>11) Cone angle display changes from half included angle to full included angle.</li> </ul>
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### For the programmer

<ol> <li>OpenDMIS Version 5.5 adds support of Version 5.2 of the DMIS standard. Go to http://www.dmsc.org to order the newest DMIS code reference manual.</li> <li>With one click code can be added to your program. Here is how it works:         <ol> <li>In your OpenDMIS directory find the Configuration directory and make a sub directory called DMIS, in the DMIS directory make a sub directory called Comment.</li> <li>Insert your programs in the Comment directory, make sure the extension is DMI and the programs will become available under the "Insert Comment Line" Icon in the programming area.</li> </ol> </li> </ol>	<ul> <li>3) The intrinsic function SDATETIME() is now available.</li> <li>4) The DMIS Command generator has been greatly enhanced.5) OpenDMIS continues to support Q-DAS, the grouping of Q-DAS output has changed.</li> <li>6) Variables are updated within a do loop.</li> <li>7) Automatic DMIS code generation adds option to remove all comment lines and empty lines</li> <li>8) New functionality for the PTMEAS command adds approach and retract to desired measurement Points.</li> <li>9) The OpenDMIS editor now supports Ctrl+A</li> <li>10) When a model is aligned from the UI code is inserted into the program, if learn is on. It is no longer necessary to enter the alignment command in the DMIS editor.</li> </ul>
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### For Network Management

stry key in Current_User, the ement in beta version 5.3.6.ComponentRenishaw.scfgad a mutual source configuration achine key and can then buildComponentOther.cfg changes to ComponentOther scfg
ement in beta version 5.3.6. ProbeOther.cfg changes to ProbeOth

## REVO, Turbine Blade Inspection, Gear Inspection

1) For 5 axis machines, new licenses are supported.	4) The A-5003-5278 (Thread 5 for SP80) is now
REVO users must check their OpenDMIS license	available for use. Like the SK knuckle for indexing
dongle for license status before updating to	heads the angle can be defined prior to calibration.
OpenDMIS version 5.4.20 or later. Contact Wenzel	5) OpenDMIS does not require that programs be
America before upgrading OpenDMIS on your	created in real-time, after measuring a program can
REVO machine to verify your status or to arrange to	be generated using Drag and Drop (DnD). For
upgrade to 5-axis functionality.	manual mode or full auto commands a full
2) Head touch is supported for REVO probe. All	measurement command can be generated with one
User Interface for PH20 is now available to REVO.	mouse click, creating an empty VECBLD meas
3) 5-axis GOTO is added to the Measurement	block.
Histogram window. The DMIS generated now has	
5-axis GOTO.	