PiWeb Reporting

Zeiss has added a new report feature that is fantastic. Calypso 6.0 now has the ability to expanding your reporting options. We will cover these options. Please note that PiWeb Reporting is only part of a larger optional reporting package PiWeb Reporting Plus.

PiWeb Reporting and Multiple Printout

After creating your CMM program you may want to add an additional report format. For example, you may currently have a company report format that contains your specific input parameters but in addition to that you may want to have a report that has the plots embedded within the report and a compressed format.

We will show you how to do that within this article.

**PiWeb Reporting – Standard Format**

When assigning characteristics to your measured features you have been able to assign a plot or graph to this characteristic. This has been a separate sheet of paper and you have to assign either a screen presentation or print as the graph is created. With PiWeb Reporting you will create this plot and embed it within your report.

Let's create a Roundness graph.

Measure a circle and create a roundness characteristic.
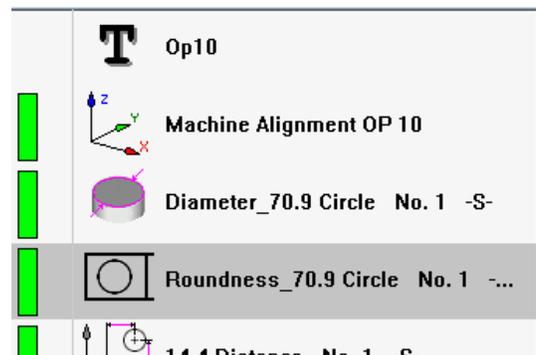
Now open up the Roundness characteristic and click on the PiWeb reporting plot preview.
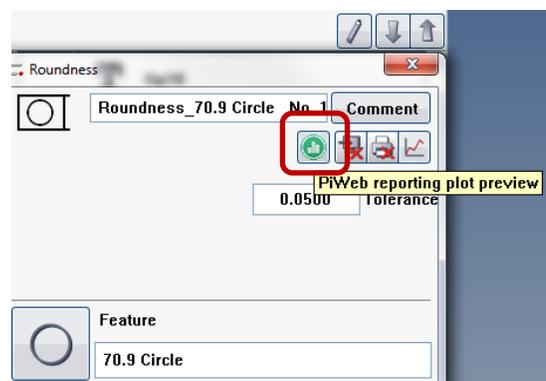
This dialog will appear. Now as far as a Magnification Factor you will type in a number but you may have to come back to this dialog to adjust for clarity on your report.

Now click on the Display plots in printout button (see below).
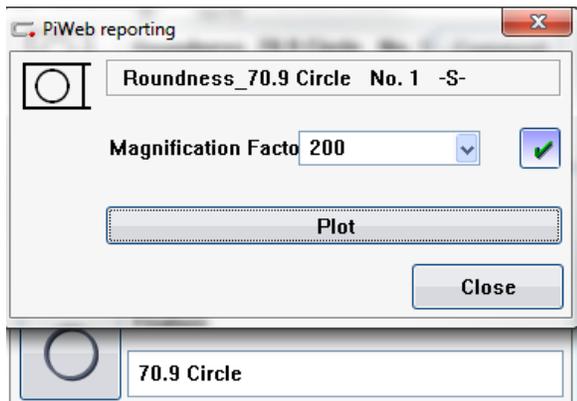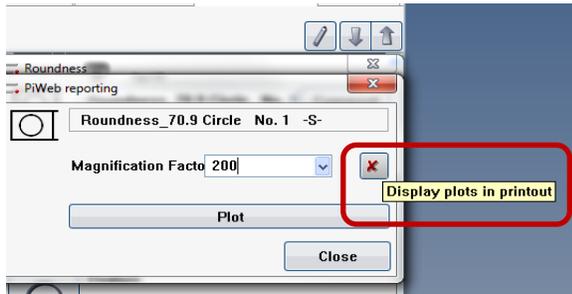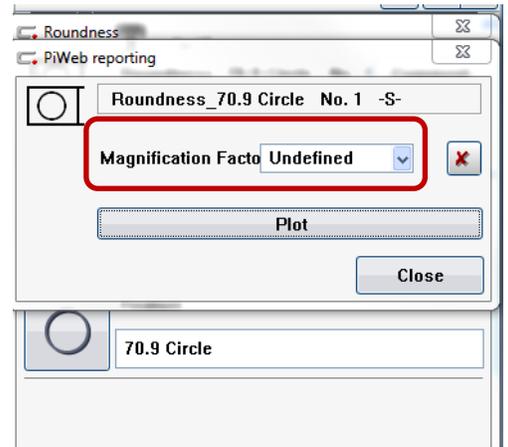
Your dialog box should look similar to this. Remember you can adjust the magnification as needed later after you see the initial report.
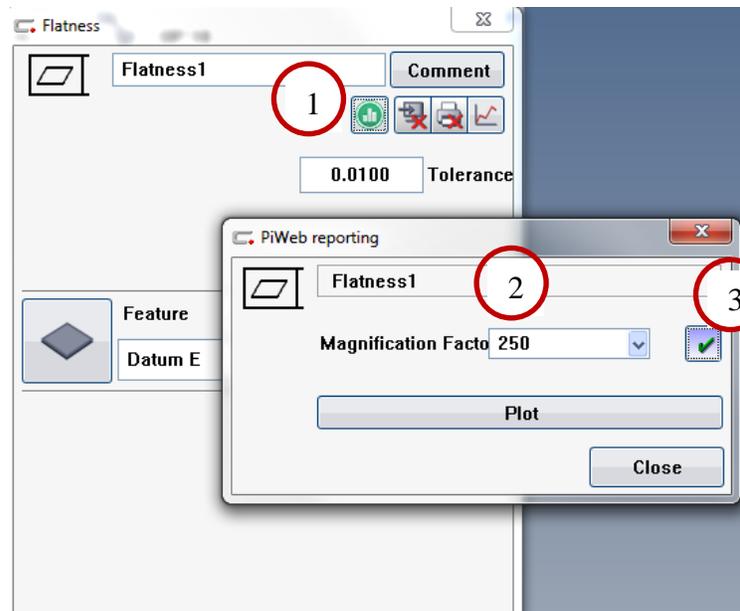
Click on plot to see the roundness.

Now close out of this characteristic.

Let's create a Flatness graph.

Add the Flatness characteristic and as before open the flatness and:

1. Click on the PiWeb reporting plot preview
2. Add Magnification Factor
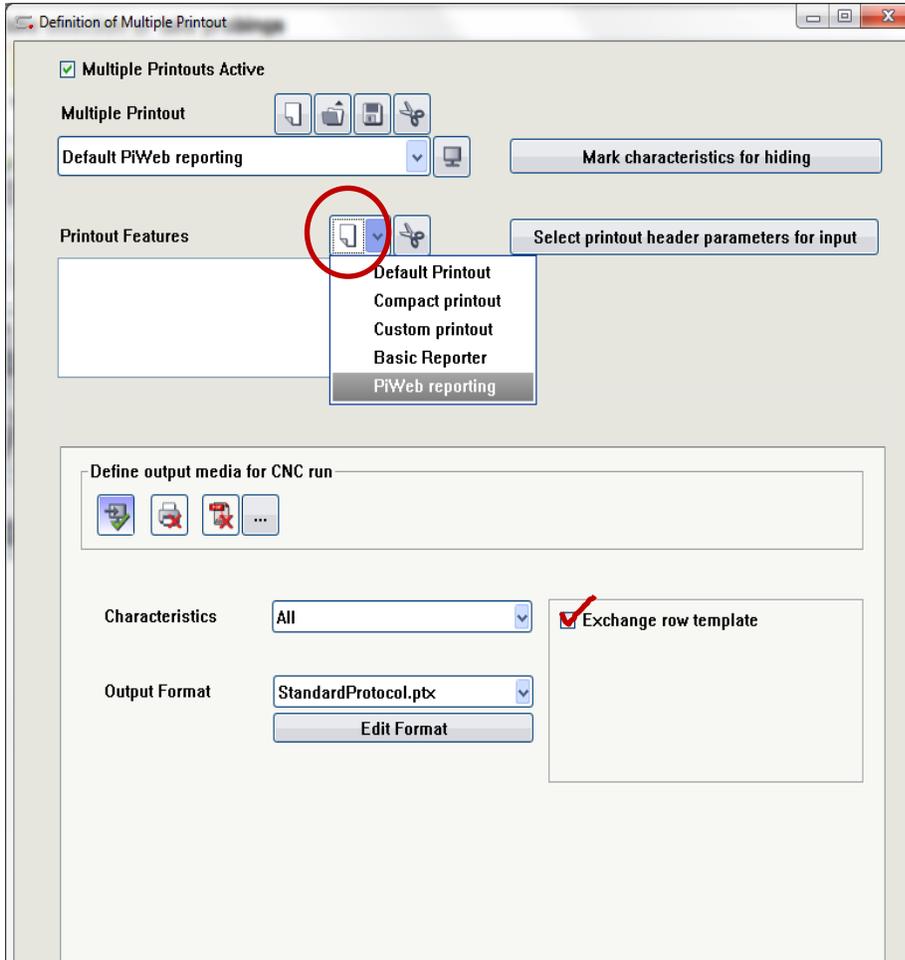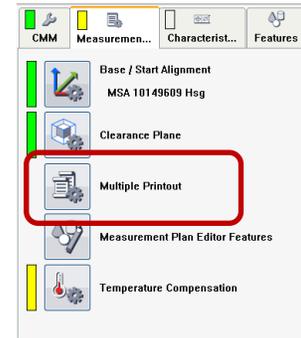3. Click on the Display plots in printout button

Create the Report

Now let's create the report
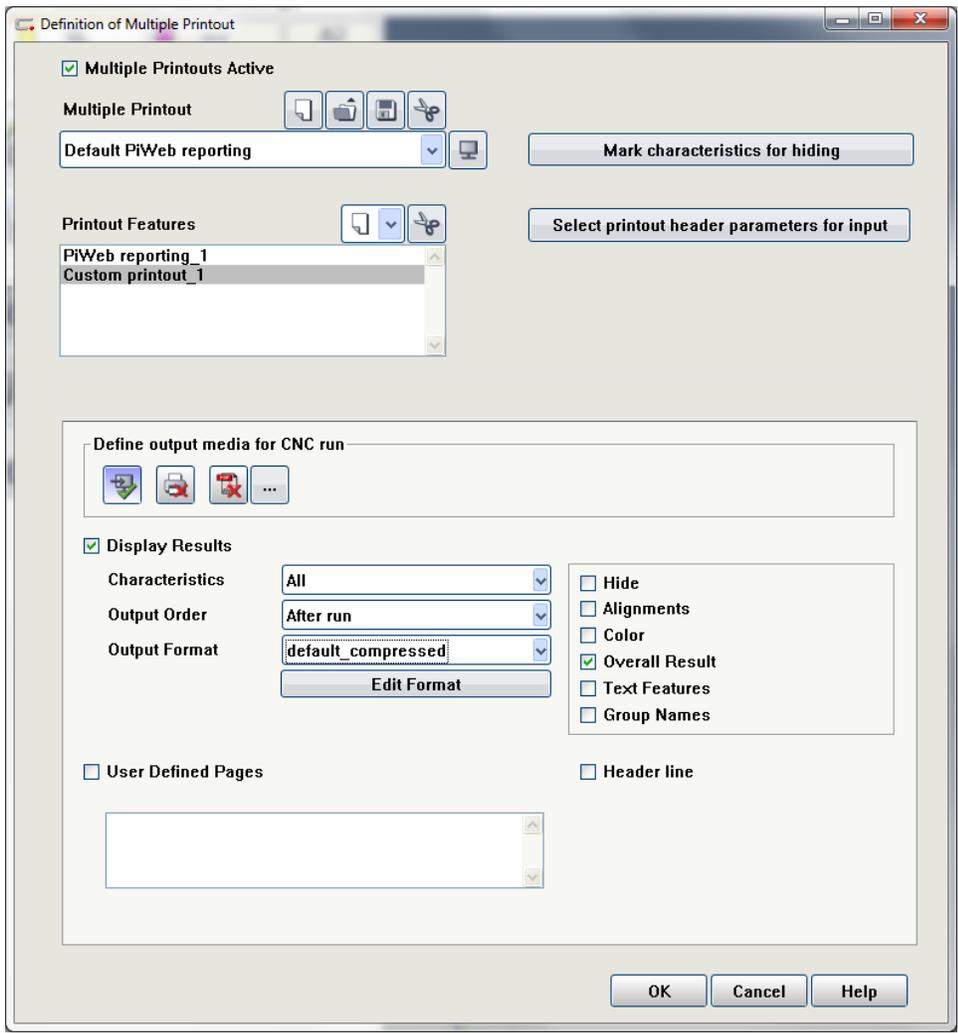
Click on the Multiple Printout button

We will need to define which reports we would like to have. This is done in several steps.

Click on this pull down menu and select PiWeb Reporting.

Choose the StandardProtocol.ptx report for right now. There are several templates but this is the one we need for this example.
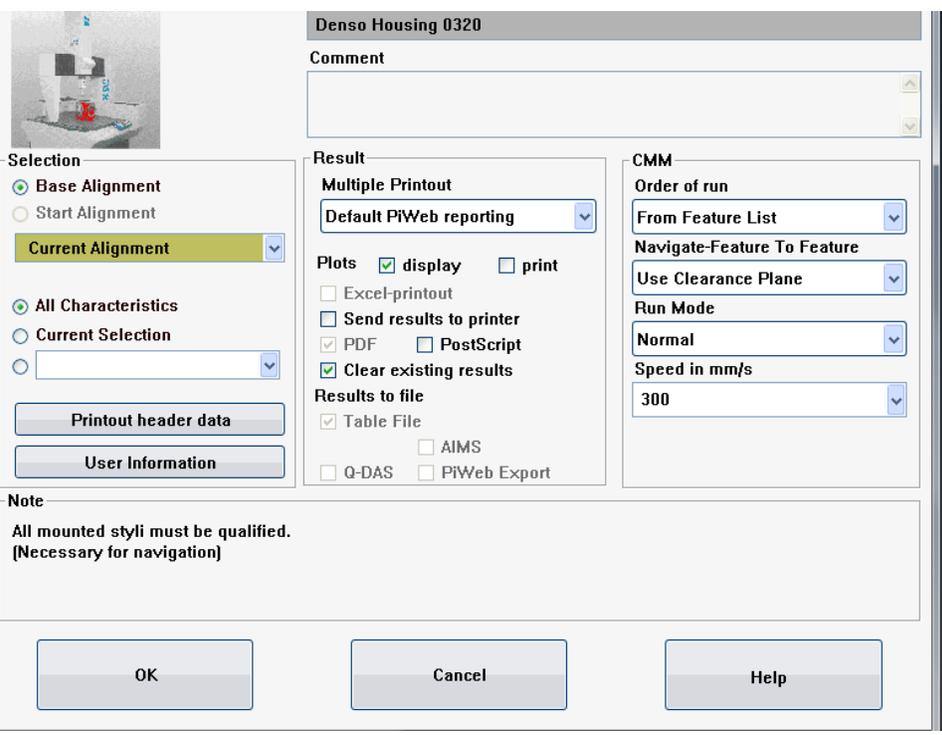
Check the Exchange row template box

Repeat and add Custom printout and how you would like to display the results as shown. Use the scissor tool to remove any unwanted selections.

Select the type of report in the Output format pull down. If you have created a special report it will be listed here.

Run the program and both reports will appear at the end of the program.

Definition of Multiple Printout

☑ Multiple Printouts Active

Multiple Printout

Default PiWeb reporting

Mark characteristics for hiding

Printout Features

PiWeb reporting_1
Custom printout_1

Select printout header parameters for input

Define output media for CNC run

☑ Display Results

Characteristics	All
Output Order	After run
Output Format	default_compressed

Edit Format

☐ Hide
☐ Alignments
☐ Color
☑ Overall Result
☐ Text Features
☐ Group Names

☐ User Defined Pages

☐ Header line

OK   Cancel   Help

Denso Housing 0320

Comment

Selection

◉ Base Alignment
○ Start Alignment

Current Alignment

◉ All Characteristics
○ Current Selection
○

Printout header data

User Information

Result

Multiple Printout

Default PiWeb reporting

Plots ☑ display ☐ print
☐ Excel-printout
☐ Send results to printer
☑ PDF ☐ PostScript
☑ Clear existing results
Results to file
☑ Table File
          ☐ AIMS
☐ Q-DAS ☐ PiWeb Export

CMM

Order of run

From Feature List

Navigate-Feature To Feature

Use Clearance Plane

Run Mode

Normal

Speed in mm/s

300

Note

All mounted styli must be qualified.
(Necessary for navigation)

OK   Cancel   Help

ZEISS CALYPSO
6.0.06

Part name	**Denso Housing 0320**	Last 1 measurements	
		► Approval ≠ locked	
Drawing number			
Variant			
Department		Measurement number	22003
Order number		Time/Date	3/14/2016 2:55 PM
Gage equipment	Prismo	Run	Current Selection
Operator	Master	No. measured values	23
Text		No. values error	● 1

Name	Value	Nominal Value	Upper Allowance	Lower Allowance	Deviation	+/-

P 10

Name	Value	Nominal Value	Upper Allowance	Lower Allowance	Deviation	+/-
⊿ Flatness1	0.0067	0.0000	0.0100	0.0000	0.0067 ●	▮▮▮▮▮▯▯

Points	1499
Filter type	
Lc	
upr	
Scan speed	12.49
Probe radius	1.0004

Name	Value	Nominal Value	Upper Allowance	Lower Allowance	Deviation	+/-
Diameter_70.9 Circle No. 1 -S-	70.9412	70.9000	0.0600	0.0300	0.0412 ●	▯▯▮▯▯
◯ Roundness_70.9 Circle No. 1 -S-	0.0243	0.0000	0.0500	0.0000	0.0243 ●	▮▮▮▮▯▯

Points	1471
Filter type	Spline
Lc	
upr	50
Scan speed	10.00
Probe radius	1.0004

Name	Value	Nominal Value	Upper Allowance	Lower Allowance	Deviation	+/-
14.4 Distance No. 1 -S-	14.4358	14.4000	0.1000	-0.1000	0.0358 ●	▯▯▯▮▯▯
Diameter_65.2 Dia No. 2 -S-	65.2367	65.2000	0.0600	0.0300	0.0367 ●	▯▮▯▯▯

Troubleshooting

If the graphs do not appear in the report click on Replace Protocol row templates and click on Detailed. The graphs will now show up in the report.