

August 28, 2019

SUPPLIER TRAINING V5 NET-INSPECT KEY CHARACTERISTIC MANAGEMENT

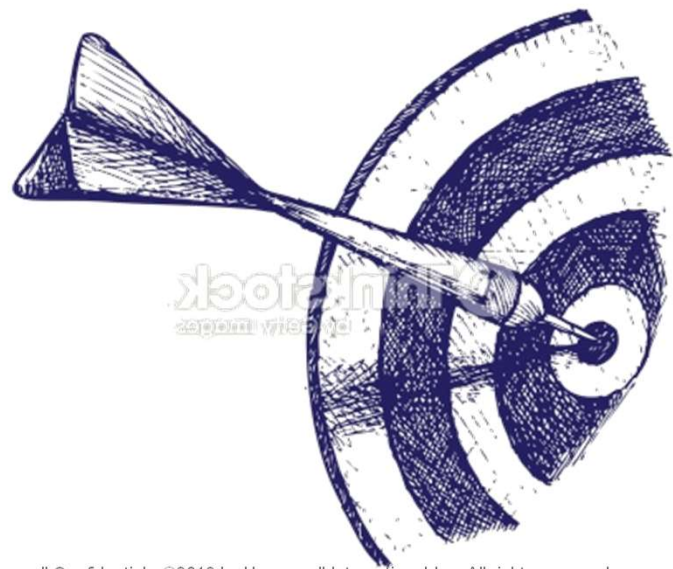
RALPH ILARIA
NET-INSPECT PROJECT MANAGER

Honeywell



LEARNING OBJECTIVES

- Explain what Honeywell Key Characteristics are.
- Why Honeywell requires Variation Management on KCs.
- How to log into Net-Inspect.
- How to set up part number, features, cell and machine in Net-Inspect.
- How to enter measurement data in Net-Inspect.
- How to view internal SPC data using Net-Inspect.



HONEYWELL KEY CHARACTERISTICS

- KC is an attribute or feature that requires specific actions for the purpose of controlling variation. It has a significant effect on product fit, form, function, performance, service life or producibility and requires specific actions for the purpose of controlling variation.
- The three primary conditions for the selection of KCs are:
 1. Keys are selected when variation inside tolerances or processes causes extra downstream efforts or resources to accommodate it.
 2. Keys must be directly measurable product features or processes that can be monitored and controlled.
 3. Keys could also flow directly from the customer.

VARIATION MANAGEMENT

The need to control variation while manufacturing parts or products:

- Improve quality and make it easy for the customer to use and enhance his satisfaction.
- Increase productivity.
- Reduce costs from scrap, extra handling and escapes.
- Comply with the requirements of variation management per specifications AS 9100 and AS 9103.

The need for Variation Management on KCs is to:

- Reduce variation within the tolerances and processes on the design features that have the potential of causing our customer problems when they start approaching the specification limits.
- Drive towards center and six sigma quality so that the customer does not feel the impact of variation.

KEY CHARACTERISTIC MANAGEMENT

Honeywell may designate a KC:

- By one or more symbols or by a note on the engineering drawing.
- In the wording of a specification.
- In a note on the purchase order.

SPOC 154 requires the management of KCs in Net-Inspect:

- If the KCs are defined on the drawing, specification or purchase order, supplier needs to create the features directly in Net-Inspect.
- If the KCs are defined by the supplier, the supplier needs to create the features directly in Net-Inspect.
- All actual data measurements are to be entered in Net-Inspect and not just the acceptable data points.

NET-INSPECT LOGIN

Supplier will log into Net-Inspect with the account details provided by Net-Inspect. This is done once the supplier has contacted Net-Inspect and requested an account to be used for Honeywell.

Contact your Company's Net-Inspect Super Administrator for access

<https://www.netinspect.com/>

Suppliers to use the following details to send an email or call the Net-Inspect Helpdesk for new accounts:

- Helpdesk@net-inspect.com
- [425 233 6176](tel:4252336176)

Honeywell

The screenshot shows the Net-Inspect website. At the top, there is a navigation bar with the company logo, contact information (sales@net-inspect.com, 425-233-6176), and links for Home, Solutions, Customers, Training, About Us, Contact Us, and Blog. A search bar is located in the top right corner. Below the navigation bar, the main content area features a large blue banner with the text "The global leader in supply chain and quality improvement software" and a "Learn More" button. A red circle with the number 1 highlights the search bar. Below the banner, there is a "Net-Inspect Login" form. The form has fields for "User ID", "Password", and "Company". A red circle with the number 2 highlights the "Password" field. A red circle with the number 3 highlights the "Company" field. A red arrow points from the "Company" field to a yellow callout box that says "Enter the Company as Net-Inspect set your company up." The "Log In" button is located at the bottom right of the form. A checkbox labeled "This is a private computer" is also present.

1 Enter your User ID provided by Net-Inspect.

2 Enter your Password.

3 Enter the Company as Net-Inspect set your company up.



MANUAL ENTRY OF FEATURES IN NET-INSPECT

**To monitor and manage KCs in Net-Inspect you have to set each KC up as a Feature.
The following items must be set-up to get a feature and be able to collect data; Part
Number, Features, Cell and Machine in Net-Inspect**

PART NUMBER SETUP

If your company has not done a FAIR for Honeywell Aerospace you must set the part number up.

The screenshot shows the 'net-inspect' web application interface. The top navigation bar includes 'First Articles', 'Quality Management' (highlighted), and 'Calibration'. Below this, the 'Part & Feature Setup' tab is selected. The main content area is titled 'View Parts & Features' and contains a table of parts. A yellow arrow points to the 'ADD NEW PART' button in the top right corner of the table area.

Part Number	Part Name	Description	Serialized	Manufactu...	Sales Price	# Measu...	Programs	Custom...	Divisions
	Digital Flight Da...		Yes		0.00	0			
0001	Bsbsolid		Yes	0.00	0.00		Honeywell - ESO...	HONEYWEL...	Honeywell -PHX...

Click Add New Part

PART NUMBER SETUP

net-inspect

First Articles Quality Management Calibration

Part & Feature Setup Record Measurements (Beta) Rejection Tags (eTags) Reports (Beta)

New Part Mirror Part Import

Create a Part ?

Part Number	Part Name
123-ABC	NI Part Demo

Customers

Enter the Part Number and Name

CREATE PART

Click Create Part

PART NUMBER SETUP

net-inspect

First ArticlesQuality ManagementCalibration

HONEYWELL

Part & Feature SetupRecord Measurements (Beta)Rejection Tags (eTags)Reports (Beta)

123-ABC
NI Part Demo

RETURN TO LIST

Basic Info

Access Control

Workflows

Documents and Photos

Features

Part Info

SAVE CHANGES

Part Number

123-ABC

Part Name

NI Part Demo

☐ Remove Part

Material Type

Serialized

☐ Serialized

MRB Authority

☐ MRB Authority

Manufacturing Cost

\$

Sales Price

\$

0

Revisions

Add Item

Is the part a serialized part important for measurement recording.

PART NUMBER SETUP

net-inspect

First Articles Quality Management Calibration

Part & Feature Setup Record Measurements (Beta) Rejection Tags (eTags) Reports (Beta)

123-ABC
NI Part Demo

RETURN TO LIST

Basic Info Access Control Workflows Doc

Part Customers ?

+ ADD PART CUSTOMER

Customer Name	Customer Part Number
No records found	

Part Access Control ?

Customer Name

hon

HONEYWELL AEROSPACE

Select Honeywell Aerospace from the Customer Name drop-down list. Also, do the same thing and add your Company as a Customer.

SET UP-FEATURES IN NET-INSPECT

The screenshot shows the Net-Inspect web application interface. The top navigation bar includes the 'net-inspect' logo and several tabs: 'First Articles', 'Quality Management' (highlighted with a red box and labeled '1'), 'Calibration', 'Machine Management', and 'APQP'. Below this, a sub-navigation bar shows 'Part & Feature Setup' (highlighted with a red box and labeled '2'), 'Record Measurements', 'Rejection Tags (eTags)', and 'Reports'. The main content area displays '1111111' and 'Test Part no control'. A 'RETURN TO LIST' button is in the top right. Below the main content, there are tabs for 'Basic Info', 'Access Control', 'Workflows', 'Documents and Photos', and 'Features' (highlighted with a red box and labeled '3'). The 'Features' tab is active, showing 'Part Features' with a help icon. A checkbox 'Show Removed Features' is present. A '+ ADD FEATURE' button (highlighted with a red box and labeled '4') is next to 'BULK UPDATE', 'EXPORT', and 'COLUMNS' buttons. A yellow arrow points from the '+ ADD FEATURE' button to a callout box that says 'To add a feature, click the + Add Feature block'.

1 On Quality Management Tab

2 Part and Feature Setup

3 Features Tab

4 To add a feature, click the + Add Feature block

FEATURES SETUP: POPULATE THE DETAILS

1111111
Test Part no control

Basic Info Access Control Workflows Documents and Photos Features

☐ Create Another **CREATE FEATURE** CANCEL

Feature Specification

Measurement Type
☒ Variable ☐ Attribute ☐ Not Reportable

GD&T Callout

Tolerance Type
Bilateral

Description

Units

Nominal	High Tolerance	Low Tolerance
0.127	.007	-0.007

Feature Info

Feature Number

Operation Number

Dimension Type

Part Revisions

Key Feature
☐ Yes ☐ No

Inspection Plan
☐ Yes ☐ No

Enter information in all the fields that are in bold, such as Measurement Type & all information for that section, Feature Number, Operation Number, Key Feature Inspection Plan (check yes), Sampling Plan.

Measurement Type and all other applicable Fields in this section.

Once all information is populated Hit "Create Feature" button

In this example Tolerance is Bilateral so enter the target value in the Nominal field and the High and low tolerance.

The Feature Number should Match KC # as identified on Dwg, Spec or PO if KC.

The Operation Number field should reflect the manufacturing process step. When you go to record the actual results, you will need to enter data for Each feature at that operation.

If the feature is a KC check yes Under Key Feature and always Check yes under Inspection Plan.

FEATURES SETUP: GD&T EXAMPLE

Feature

Feature Specification


Measurement Type

☒ Variable ☐ Attribute ☐ Not Reportable

Tolerance Type

Unilateral Upper

GD&T Callout



Description

Position

High Specification

.007

GD&T Builder

☒ GD&T Builder

Symbol

Tolerance Type

Position

☒ Diameter

Datum Reference

Primary

A

Click on GD&T Callout below
screen opens to build the
Feature Control Frame

Tolerance type will be based on GD&T Symbol and type of Feature. Enter the Basic Dimensions for position feature.

FEATURES SETUP: LAST REQUIRED FIELDS

Details

Cpk Metric Basis

☒ Min(CpL, CpU) ☐ CpL ☐ CpU

Measurement Sequence #

Sampling Plan

Processes

Setup Comments

Referential

Characteristic Designator

Designator

Tool Types

Cpk Metric Basis is used to highlight Which side of the tolerance is critical For unilateral tolerance.

The Sampling Plan field can be adjusted. Should start with 100% until you know the process is in control for KCs.

Fill any other fields you may have Setup such as Process, once all information is populated Hit "Create Feature" button.

☐ Create Another

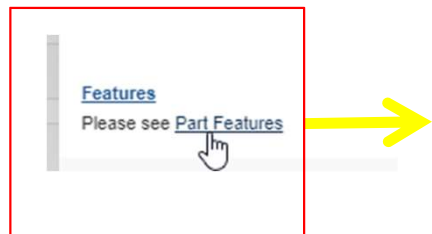
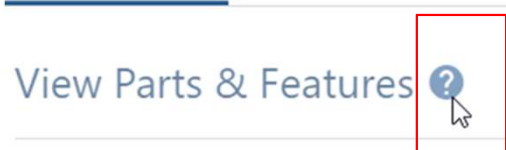
CREATE FEATURE

CANCEL

NET-INSPECT TRAINING MATERIAL



Select the Question Mark (?) next to Topic and get Net-Inspect training Material. Here you can scroll down To get Part Features Help



Add Features to a Part (Inspection Plan)

Feb 4, 2019 · Knowledge

Add Features to a Part (Inspection Plan)

Quality Management > Part & Feature Setup > click a part > click the Feature tab

To learn about Updating Part Features in Bulk, see [Bulk Updating Features](#).

Go to [Adding Feature Photos](#) to view how to add feature photos on the measurement entry screen.

Adding Features in the Feature Tab:

Click the "+ Add Feature Button" to create a new feature for the part

Measurement Type	Select an option. Selecting "Variable" type will make this feature numerical. Selecting "Attribute" will make the feature Pass/Fail. Selecting "Not Reportable" causes the feature to not require a result.
GDT Callout	Geometric dimensioning and tolerancing callout frame.
Tolerance Type	Use the drop down to select different variable types. Each field will adjust whether a Nominal, High or Low Tolerance, or high or low specification.
Description	Description of the feature.

RELATED ARTICLES

- Net-Inspect Update Log 16
- Measurement Entry Screen 10
- Edit a Part 8
- Form 3 11
- Quality Management Preferences 5

TRENDING ARTICLES

- Form 3
- Net-Inspect Update Log
- Submitting a FAIR
- Add Features to a Part (Inspection Plan)
- Form 2

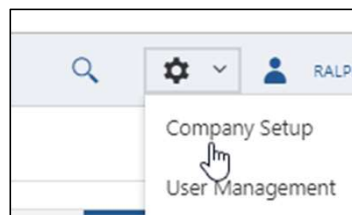


MEASUREMENT ENTRY NET-INSPECT KEY CHARACTERISTICS

All actual data measurements are to be entered in Net-Inspect and not just the acceptable data points.

SET UP CELL

The supplier needs to setup a cell(s) prior to measurement data entry.



Click on Gear on top right of page
And select Company Setup.

Click Machine, Tools, Cells.

2



General Setup

First Articles Setup

Quality Management S...

Access Co

APQP Setup

Machines, Tools, Cells

+ ADD CELL

EXPORT

COLUMNS

General

Machine Types & Preventative Maintenance

Cause and Corrective Action Setup

Cells

Tool Types

Cells ?

Cell Number	Cell Name	Description	Number Of Mach...	% Tolerance	# Measurem...	Last Updated	Setup Date	
12	Machin			%				
3	Eed unit	controller	0	0%	0	12/14/11		
PWA 1	Printed Circuit Assembly	Printed circuit assembly area	1	0%	0	12/14/11		

Click on + Add Cell
Complete the following fields:
• Cell Name
• Cell Number
• Cell Description
• Then Blue check to add cell

Click on Cells

SET UP MACHINE & ASSOCIATE TO CELL

The supplier needs to setup a machine(s) prior to measurement data entry also and associate it to a cell.

The screenshot illustrates the process of creating a machine and associating it with a cell in the net-inspect system. The interface includes a top navigation bar with tabs like 'First Articles', 'Quality Management', 'Calibration', 'Machine Management', and 'APQP'. A red box highlights the 'Machine Management' tab, with a yellow callout '1' and the text 'From Machine Management Tab'. Below this, a sub-navigation bar shows 'View and Add Machines', 'Preventative Maintenance', 'Machine Incidents', and 'Reports'. A red box highlights 'View and Add Machines', with a yellow callout '2' and the text 'To add a machine, click View and Add Machines'. The main content area shows a 'Machines' section with a table header. A red box highlights the 'ADD MACHINE' button, with a yellow callout '3' and the text 'Click Add Machine'. Below the table, a 'Create a Machine' form is shown. A red box highlights the form fields: 'Machine Name', 'Machine Type', 'Add', and 'Cell'. A yellow callout '4' points to the 'Machine Name' field with the text 'Complete the fields shown here. The Machine Name field is mandatory. In addition you need to associate the machine to a cell.' Below the form, a red box highlights the 'CREATE MACHINE' button, with a yellow callout '5' and the text 'After completing the details, click Create Machine button.'

1 From Machine Management Tab

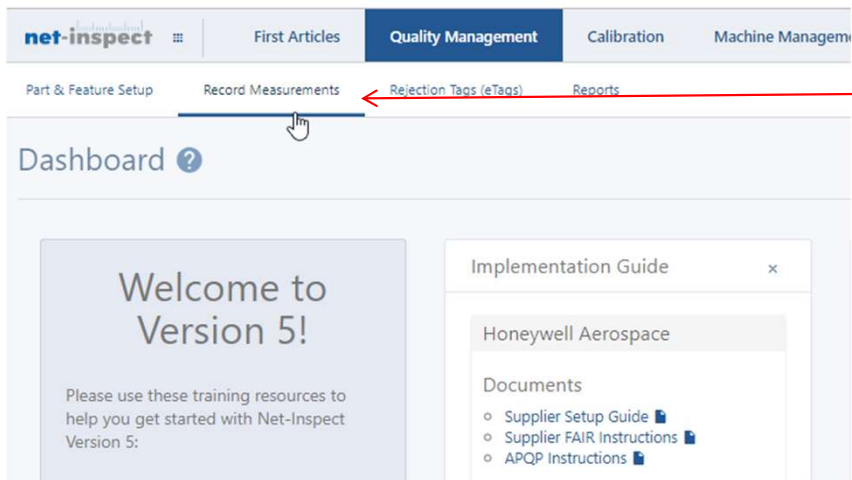
2 To add a machine, click View and Add Machines

3 Click Add Machine

4 Complete the fields shown here. The Machine Name field is mandatory. In addition you need to associate the machine to a cell.

5 After completing the details, click Create Machine button.

MEASUREMENT ENTRY



Users with additional roles then operator can select “**Record Measurements**” at the main page under **Quality Management**.

If user has only Operator role, upon login Net-Inspect will only open and give access to this Measurement Entry screen

To enable this menu the user must be set up with the User Type (role) of “Operator”

NOTE : All bold fields on the screen are MANDATORY.

Start a New Run / Job Resume an Existing Run / Job Import Measurements

Start a New Run / Job ?

Part	Cell	Machine	Run / Job Number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Operation Number	P.O. Number	Lot Size	Material Lot #
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

START RUN

ENTER PART NUMBER

Start typing in the part number. Net-Inspect will list part numbers which match and when you see your part number highlight it and select it. Cut and Paste does not work in this field.

[Start a New Run / Job](#) Re

Start

Part	Cell
<input type="text" value="26165"/> × ▼	<input type="text" value="Machine Center"/>
2616573 ▶	P.O. Number
2616575	32615478

This part is serialized. If you would like Net-Inspect to automatically increment serial numbers

☐ Yes ☒ No

If the part is serialized you will be asked if you want NI automatically Increment the serial number to the next number or if you want to type in Serial number.

This part is serialized. If you would like Net-Inspect to automatically increment the serial number, enter the base serial number below.

Last entered serial number: **21**

Automatically increment serial numbers

☐ Yes ☒ No

SELECT A CELL AND MACHINE

Start a New Run / Job Resume an Existing Run / Job

Start a New Run / Job

Part
2616573 × ▾

Operation Number
10 ▾

This part is serialized. If you would like Net-Inspect to automatically increment serial numbers
☐ Yes ☒ No

Cell
Machine Center ▾
Machine Center
Ni Plate
Ni Plate V1
Ni Plate V2
Ni Strike
NW

Select the Cell from the dropdown list.

Select the Machine from the dropdown list. Down selects from Cell selection.

Start a New Run / Job Resume an Existing Run / Job Import Measurements

Start a New Run / Job ?

Cell
Machine Center ▾

PO Number
32615478 ▾

Machine
Lathe ▾
CNC Drill 123
CNC Drill 234
Lathe

I would like Net-Inspect to automatically increment the serial numbers
☐ Yes ☒ No

ENTER RUN / JOB NUMBER AND LOT SIZE

Start a New Run / Job Resume an Existing Run / Job Import Measurements

Start a New Run / Job ?

Part 2616573	Cell Machine Center	Machine Lathe	Run / Job Number 01312019
Operation Number 10	P.O. Number 32615478	Lot Size 2	Material Lot #

This part is serialized. If you would like Net-Inspect to automatically increment the serial number, enter the base serial number below.

Last entered serial number: 21
Automatically increment serial numbers

☐ Yes ☒ No

START RUN

Run / Job number is a required field and dependent on site specific definition. Verify a consistent strategy for populating this field.

Lot Size is also dependent on site specific implementation based on sampling plan setup against the feature. Dependent on strategy Lot Size might be Quantity you want to record measurements for.

Features of Lot Size:

- Lot size is the last item that must be populated before the measurements can be taken.
- This needs to be the total lot size of the parts being measured.
- Net-Inspect will determine the measurements to be recorded, based on the sample plan that is setup for the feature and the lot size.
- Not all the measurements must be recorded at one time but if you want to return to the Job/Run/Lot # again, you must list the full lot size every time.
- Net-Inspect will keep a count until all the required measurements have been captured.

OPERATION NUMBER (OP #)

Start a New Run / Job Resume an Existing Run / Job Import Meas

Start a New Run / Job ?

Part: 2616573 Cell: Machine Center Machine: Lathe

Operation Number: 10 P.O. Number: 22615478 Lot Size: 2

Once all the mandatory fields (In Bold) are entered in the Measurement Entry Screen, depending if the User selects a particular Op# it will display either the feature(s) associated to that Op# or if Op# = 0 then it will display all features for that Part Number on one screen to enter measurements.

Hit "Start Run" and User then enters data.

0 to see all features

Pick Op # to be able to enter measurement data for feature(s) tied to just that operation

Part & Feature Setup Record Measurements Rejection Tags (eTags) Reports									
Part	Machine	Run Number	Operation Number	Lot Size	Real CpK	Static CpK	% Tolerance	Entries	
2616573	Lathe	01312019	All Features	2	N/A	N/A	N/A	12	
#	Feature	Sampling Plan	Tool	Specification					
2	✓ IBP Spoke_Thk30o	100% Inspection (2 / 2) (Every part)		(0 +/- 0.01) in					
	✓ IBP Spoke_Thk30i	100% Inspection (2 / 2) (Every part)		(0 +/- 0.01) in					
4	IBP Spoke_Thk40o	100% Inspection (0 / 2) (Every part)		(0 +/- 0.01) in					
5	IBP Spoke_Thk40i	100% Inspection (0 / 2) (Every part)		(0 +/- 0.01) in					
1	IBP Bearing Bore Dia	Measures 1 part per entry instance (0 / 1) (1 Part Per ...		(0 +/- 0.0015) in					
	Tubewall Diameter	Measures 1 part per entry instance (0 / 1)		(0 +/- 0.01) in					

1	2
21	22
Lot #	Lot #
.002	.003
-0.002	.0004

Results Area
Enter S/N if required and then actual values for each part.

MEASUREMENT ENTRY SCREEN- CONT

#	Feature	Sampling Plan	Tool	Specification	1	2
				Serial Number	23	24
				Lot Number	Lot #	Lot #
1	IBP Bearing Bore Dia	Measures part per entry instance (0 / 1) (1 Part Per ...		(0 +/- 0.0015) in		
2	IBP Spoke_Thk30o	100% Inspection (1 / 2) (Every part)		(0 +/- 0.01) in	.02	
3	IBP Spoke_Thk30i	100% Inspection (0 / 2) (Every part)		(0 +/- 0.01) in		
4	IBP Spoke_Thk40o	100% Inspection (0 / 2) (Every part)		(0 +/- 0.01) in		

If actual measurement is out of tolerance (Red) or out of control limits, it will require Cause and Corrective Action selection if this is turned on and might require some comments.

The measurement entry screen will open and show you how many samples you need to inspect depending on the sampling plan set up for the part and Lot Size.

If the part is a serialized part it will require a serial number to enter the measurement.

lot # will come from previous screen if populated. Not a required field.

The measurements will be saved upon entering them no Save button.

Create eTag for Measurement
Measurement: 0.02

Out of Tolerance Cause and Corrective Actions

Cause

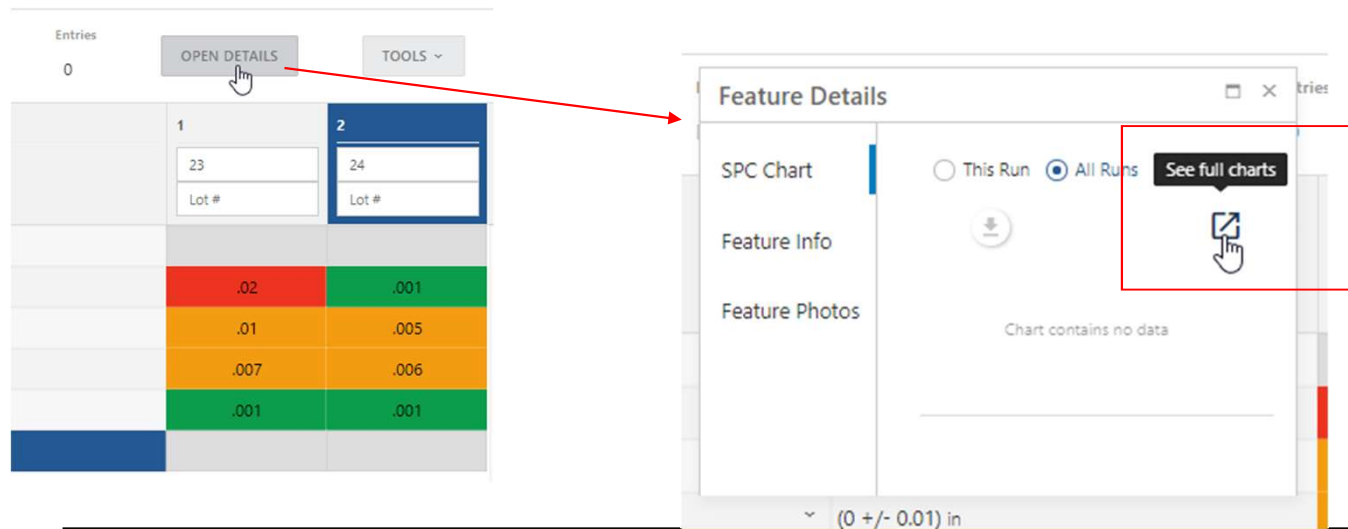
This field is required

Corrective Action

Comments

SAVE CANCEL

MEASUREMENT ENTRY SCREEN- TO VIEW CHARTS



Once you have entered your Measurement(s) you can do several things.

- 1.) Click on open details to get to the SPC chart. Click see full charts to get more ability to select range or lot numbers. See next page for full chart capability.
- 2.) Click on Tools to modify results or do a bulk update.

FULL CHARTS

☒ Internal ☐ Supplier

Part Number

Feature Number

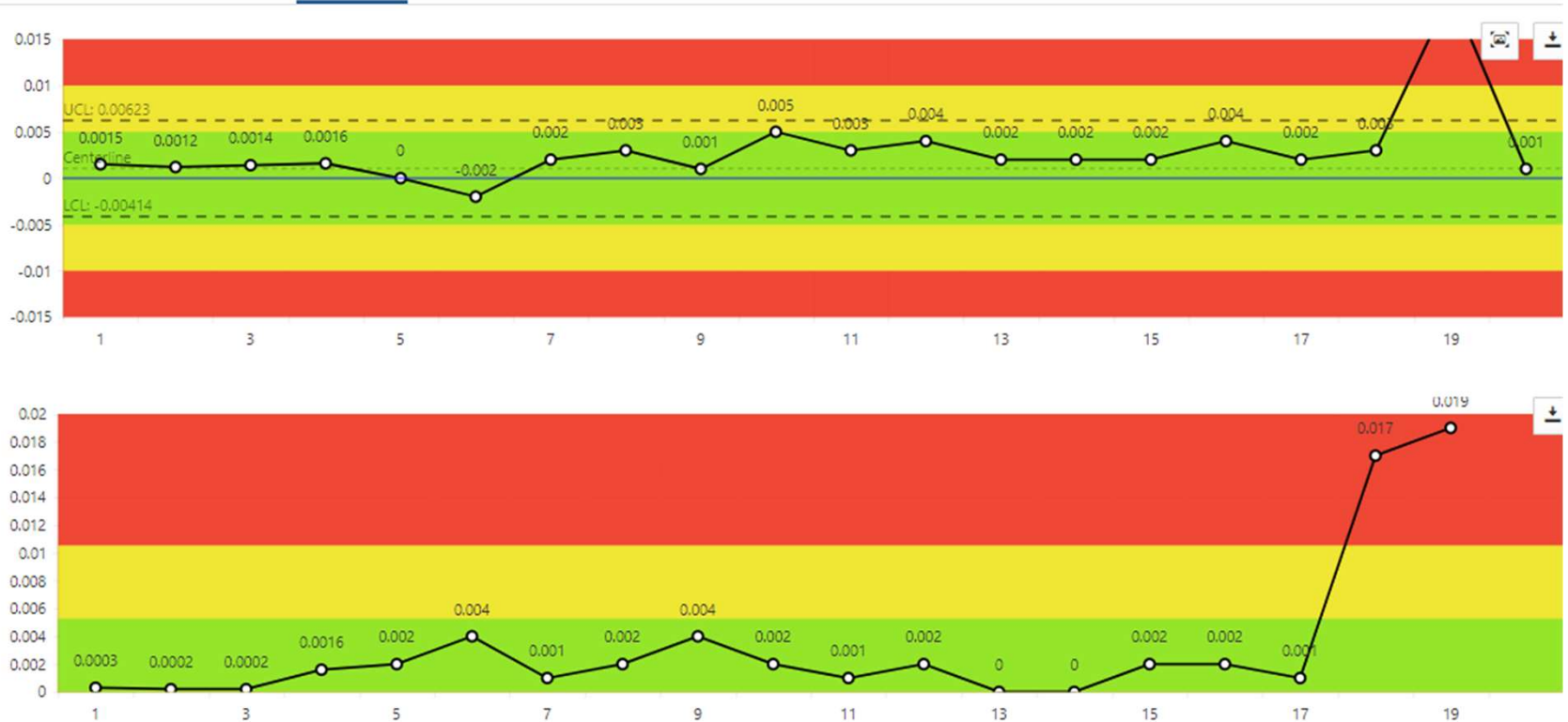
Range

Number of Points

Runs

Summary Data

Mean: 0.003
Median: 0.002
Standard Deviation: 0.004
Range: 0.022
Static CP: 1.928
Real CP: 0.775
Static CPK: 1.727
Real CPK: 0.551



IX AND MOVING RANGE CHART



Click on a measurement point to see the details.

TO EDIT A MEASUREMENT

[First Articles](#)
[Quality Management](#)
[Calibration](#)
[Machine Management](#)
[APQP](#)

[Part & Feature Setup](#)
[Record Measurements](#)
[Rejection Tags \(eTags\)](#)
[Reports](#)

Part	Machine	Run Number	Operation Number	Lot Size	Real CpK	Static CpK	% Tolerance	Entries	OPEN DETAILS	TOOLS
2616573	IB35	01312019b	All Features	2	N/A	N/A	N/A	0		

#	Feature	Sampling Plan	Tool	Specification	Serial Number	Lot Number
1	IBP Bearing Bore Dia	Measures 1 part per entry instance (0 / 1) (1 ra...		(0 +/- 0.0015) in		
2	✓ IBP Spoke_Thk30o	100% Inspection (2 / 2) (Every part)		(0 +/- 0.01) in		
3	✓ IBP Spoke_Thk30i	100% Inspection (2 / 2) (Every part)		(0 +/- 0.01) in		
4	✓ IBP Spoke_Thk40o	100% Inspection (2 / 2) (Every part)		(0 +/- 0.01) in		
5	✓ IBP Spoke_Thk40i	100% Inspection (2 / 2) (Every part)		(0 +/- 0.01) in		
6	Tubewall Diameter	Measures 1 part per entry instance (0 / 1) (1 ra...		(0 +/- 0.01) in		

1

23

Lot #

Lot #

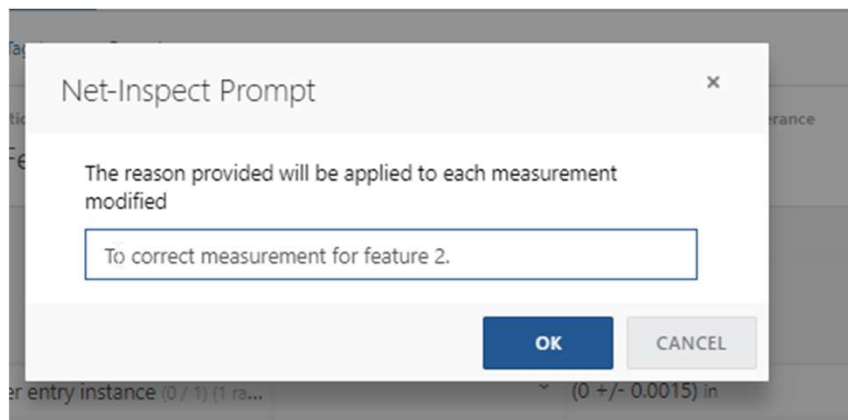
Modify Results

Bulk Update

Click on **Tools** to modify results or do a bulk update. Provide an explanation of why you want to modify the results and then you will be in edit mode.

TO EDIT A MEASUREMENT

Provide an explanation of why you want to modify the results and then you will be in edit mode.



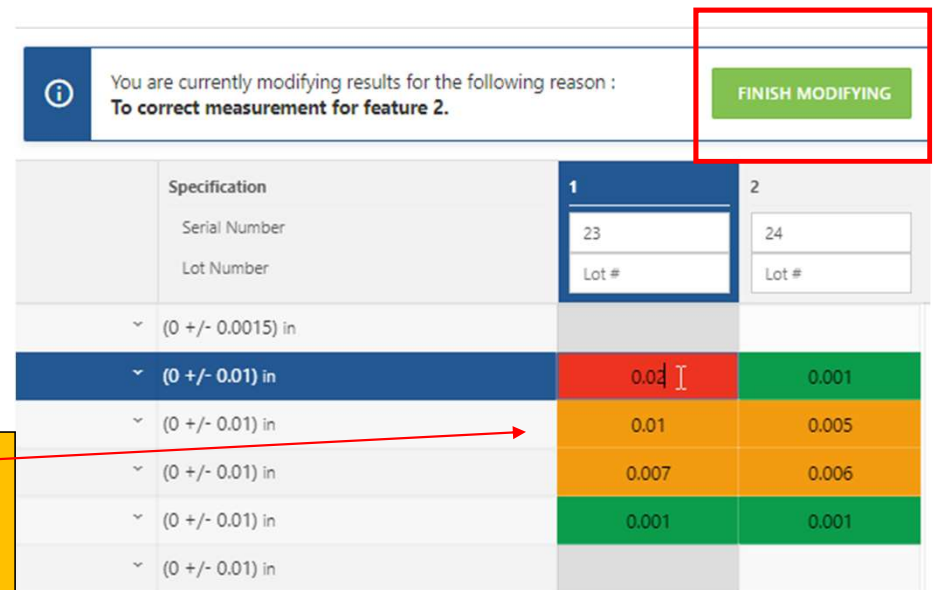
Net-Inspect Prompt

The reason provided will be applied to each measurement modified

To correct measurement for feature 2.

OK CANCEL

Once in Edit Mode correct the measurement(s) needing to be corrected and then hit “Finish Modifying” to save and update the measurements.



You are currently modifying results for the following reason :
To correct measurement for feature 2.

FINISH MODIFYING

Specification	1	2
Serial Number	23	24
Lot Number	Lot #	Lot #
~ (0 +/- 0.0015) in		
~ (0 +/- 0.01) in	0.01	0.001
~ (0 +/- 0.01) in	0.01	0.005
~ (0 +/- 0.01) in	0.007	0.006
~ (0 +/- 0.01) in	0.001	0.001
~ (0 +/- 0.01) in		



HOW TO ANALYZE NET-INSPECT KC DATA

There are several ways to view the SPC data for the features set up. One was during the inputting of the actual data already shown and using reports or features on the part set up.

VIEW INTERNAL SPC DATA

net-inspect First Articles **Quality Management** Calibration Machine Management APQP

Part & Feature Setup Record Measurements Rejection Tags (eTags) **Reports**

Part Quality Zones

View the most recent measurement results for each feature on a part with the option to drill in for detailed analysis and SPC charts

Capability Charts

Review and rank internal or supplier capability scores by part, machine, operator, and more

Inspection Report

Generate inspection reports by part number, by serial number, run number, and more. Determine what data is displayed with option to export to Excel

eTags Analysis

Chart and analyze eTag data by disposition quantity, rejection quantity, scrap cost and disposition time, with the option to filter by internal, supplier, and customer eTag types, part number, and more

Supplier Capability Report

Generate supplier capability reports by part number, serial number, run number, and more. Determine what data is displayed with the option to export to Excel

Features Report

Generate reports by part features. Determine what data is displayed with the option to export to Excel

Processes Report

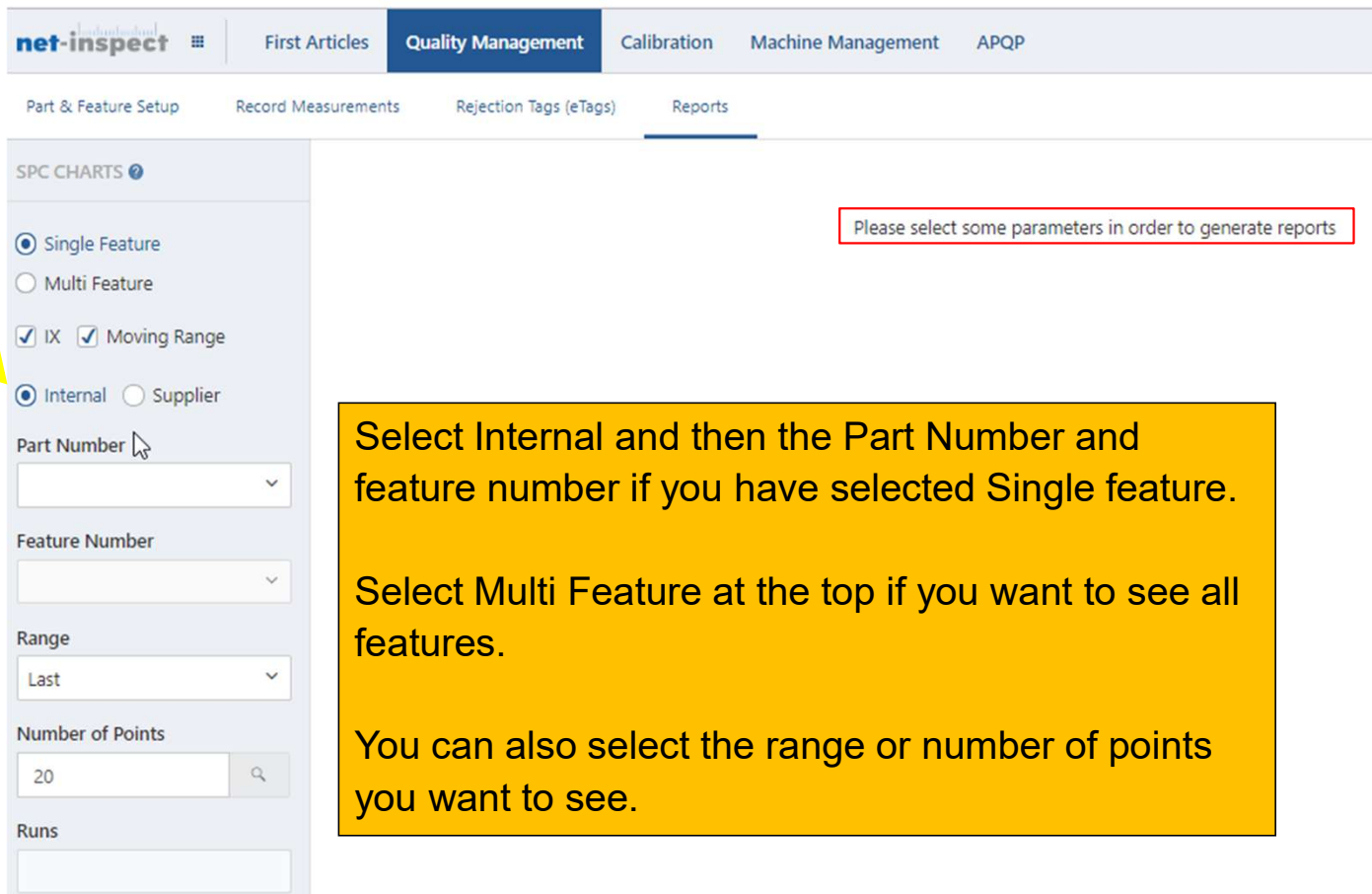
Generate reports by processes. Determine what data is displayed with the option to export to Excel

Control Charts

Use comprehensive control charts and statistics to verify process performance and analyze your recorded measurement data by part number, feature number, and more

<https://us.net-inspect.com/analytics/enr> with the option to

VIEW INTERNAL SPC DATA



net-inspect

First Articles Quality Management Calibration Machine Management APQP


Part & Feature Setup Record Measurements Rejection Tags (eTags) Reports


SPC CHARTS ?


☒ Single Feature
☐ Multi Feature


☒ IX ☒ Moving Range

☒ Internal ☐ Supplier

Part Number 

Feature Number 

Range
Last 

Number of Points
20 

Runs

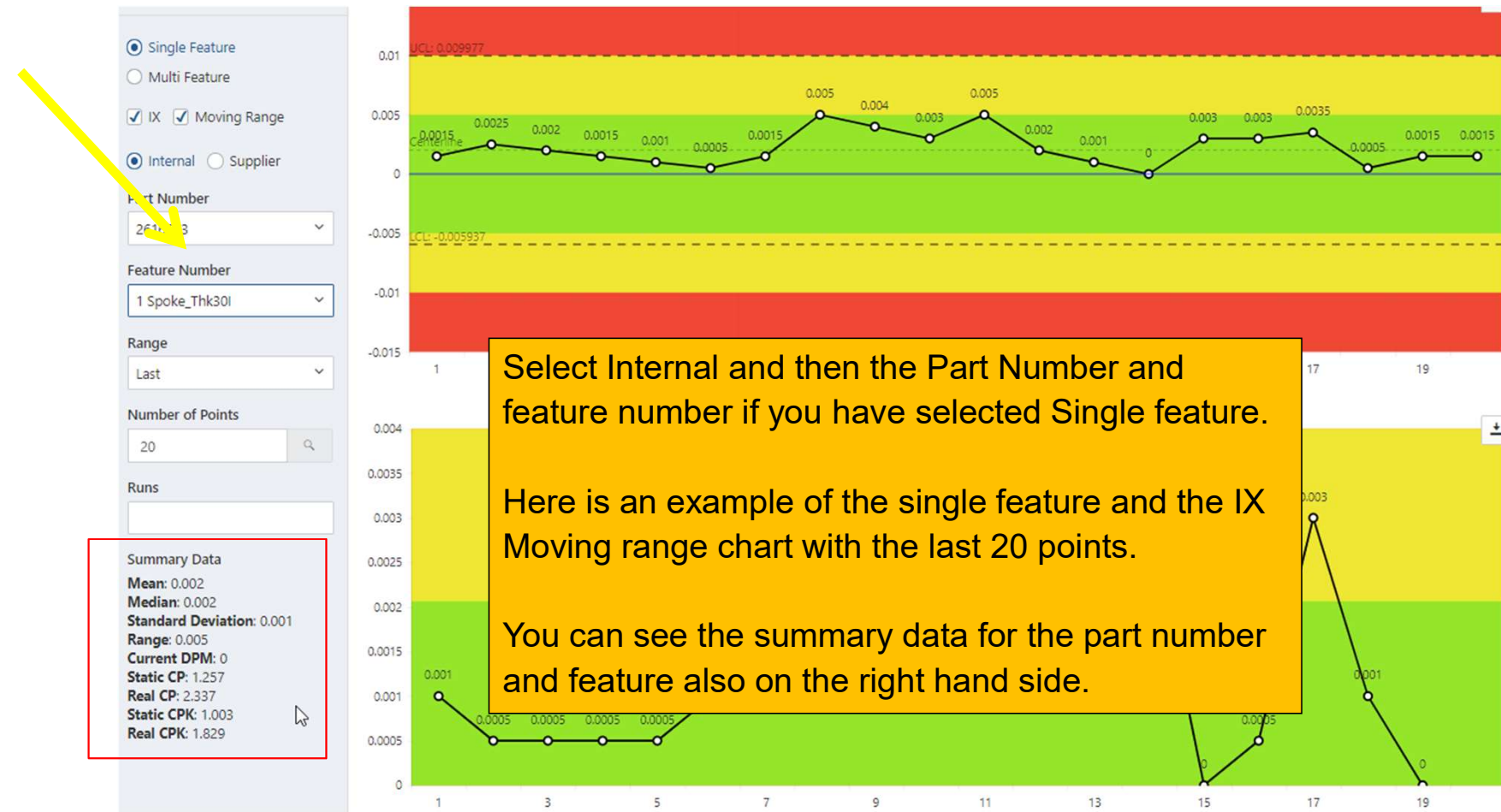
Please select some parameters in order to generate reports

Select Internal and then the Part Number and feature number if you have selected Single feature.

Select Multi Feature at the top if you want to see all features.

You can also select the range or number of points you want to see.

VIEW INTERNAL SPC DATA



IX AND MOVING RANGE CHART



Click on a measurement point to see the details.

VIEW INTERNAL SPC DATA

SPC CHARTS ?

☐ Single Feature
☒ Multi Feature

☒ Internal ☐ Supplier

Part Number

261573

Features

- 1 Spoke_Thk30I x
- 2 Spoke_Thk30O x
- 3 Spoke_Thk40O x
- 4 Bearing Bore x

Range

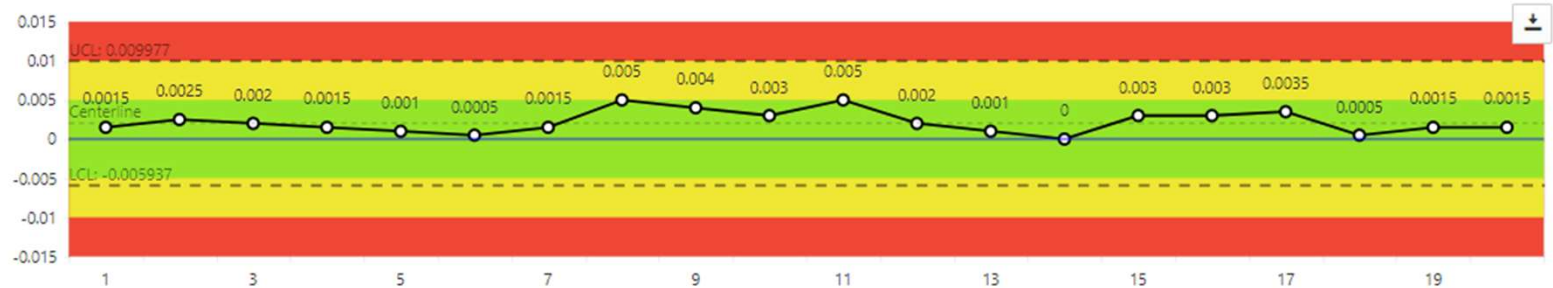
Last

Number of Points

20

Runs

6005205994 x



Select Internal and then the Part Number and all feature numbers if you have selected Multi feature.

Here is an example of the Multi feature and the IX chart with the last 20 points for each feature selected.

