ADAPT SOFTWARE

How To Guide

Layout Structure

Activating Navigation Wheel

Docking a Virtual Module

Diagnostic Alerts

How To Create a Method

How to Create an Optical Model

Starting a Measurement

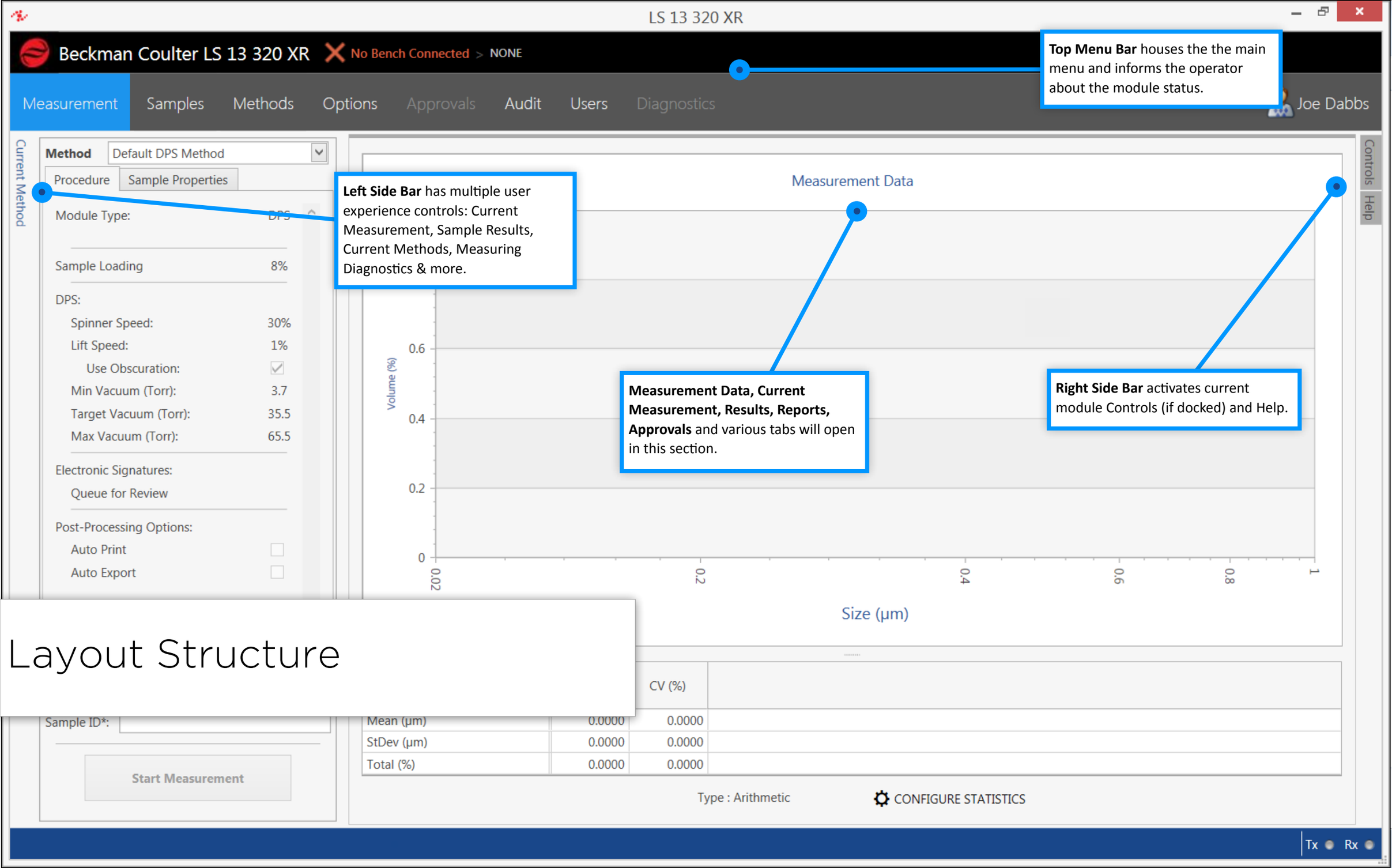
Electronic Signatures, Reviews & Approvals

Automatic Pass/Fail Check

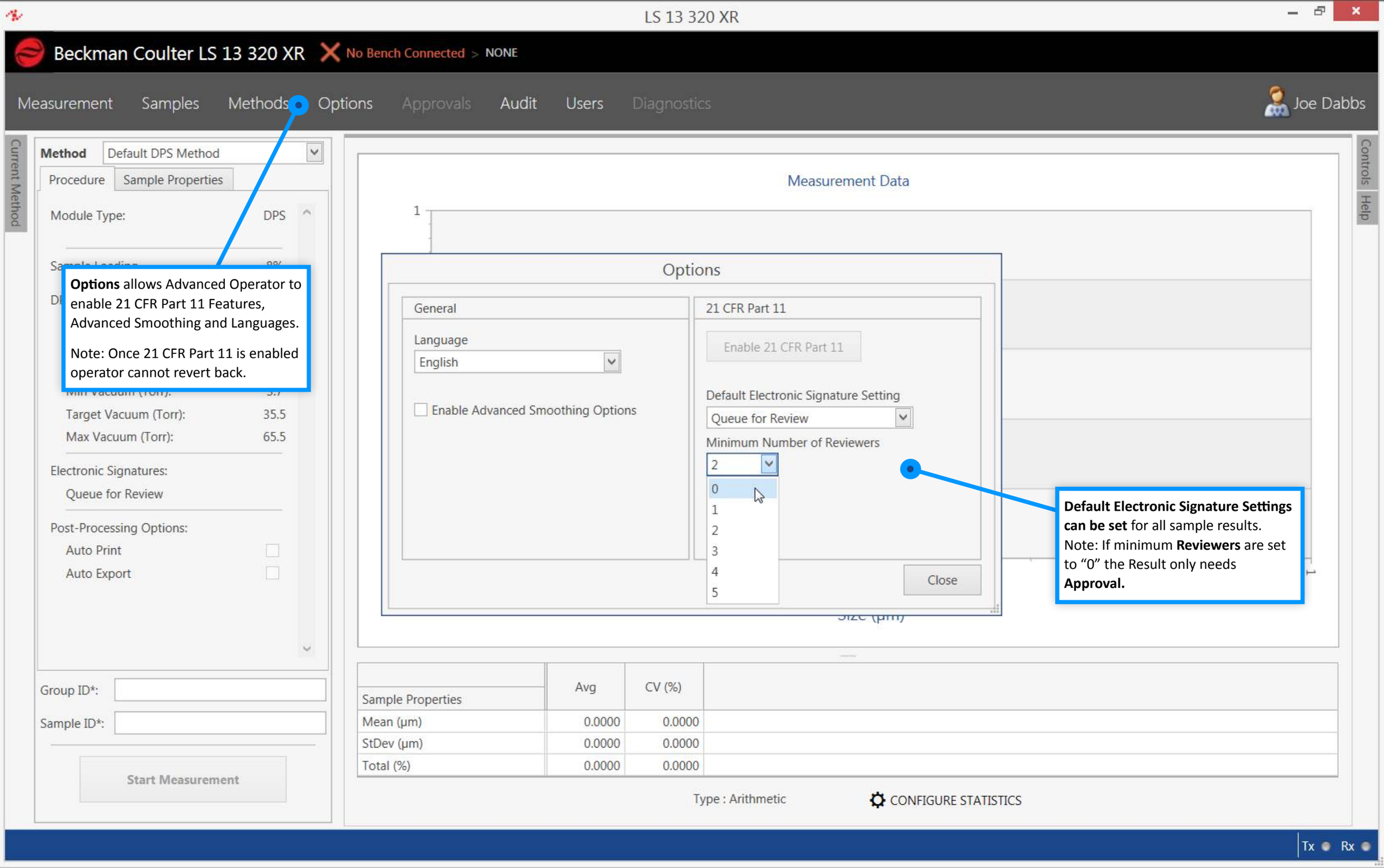
How to Create an Optical Model

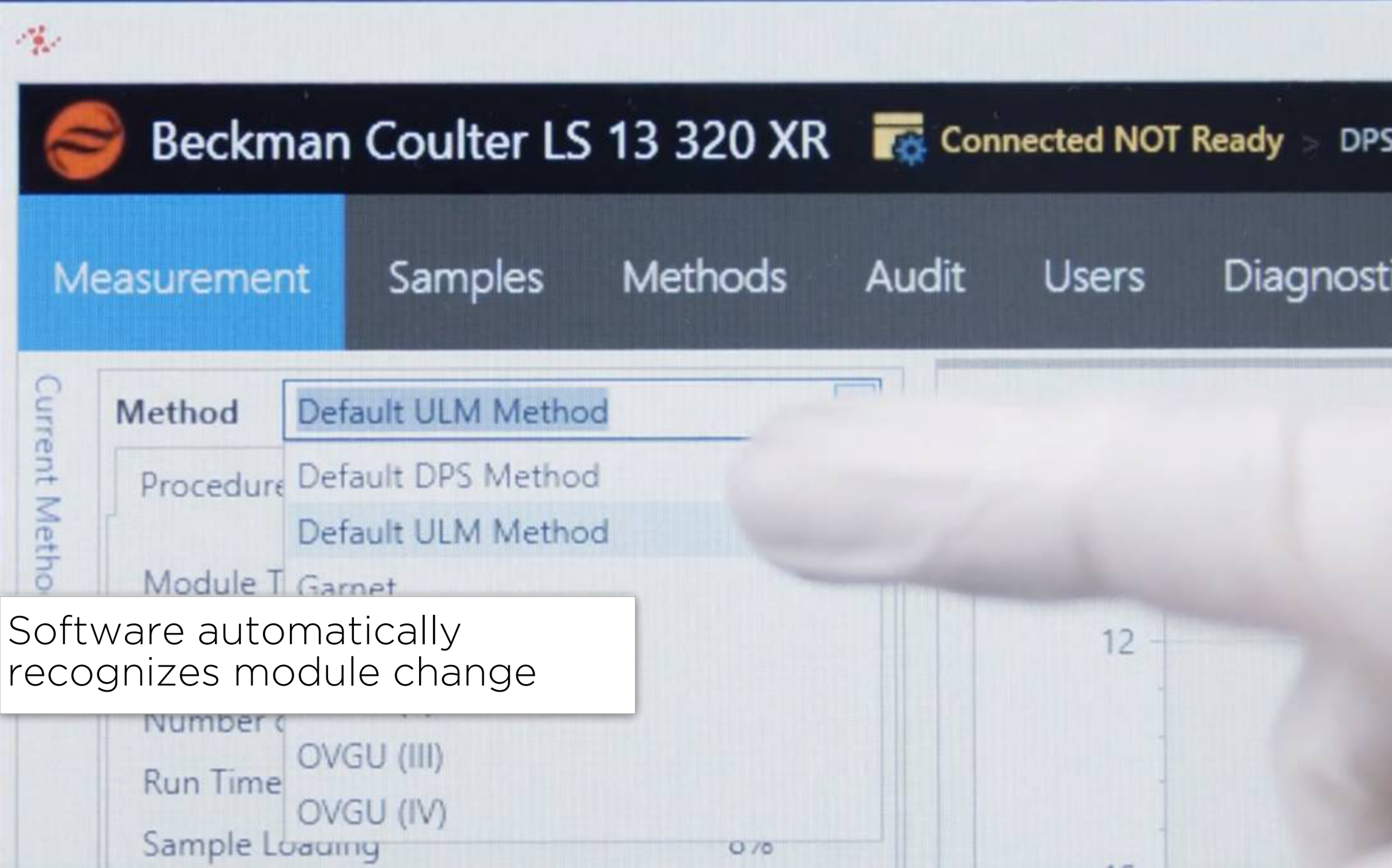
How to Overlay Existing Data

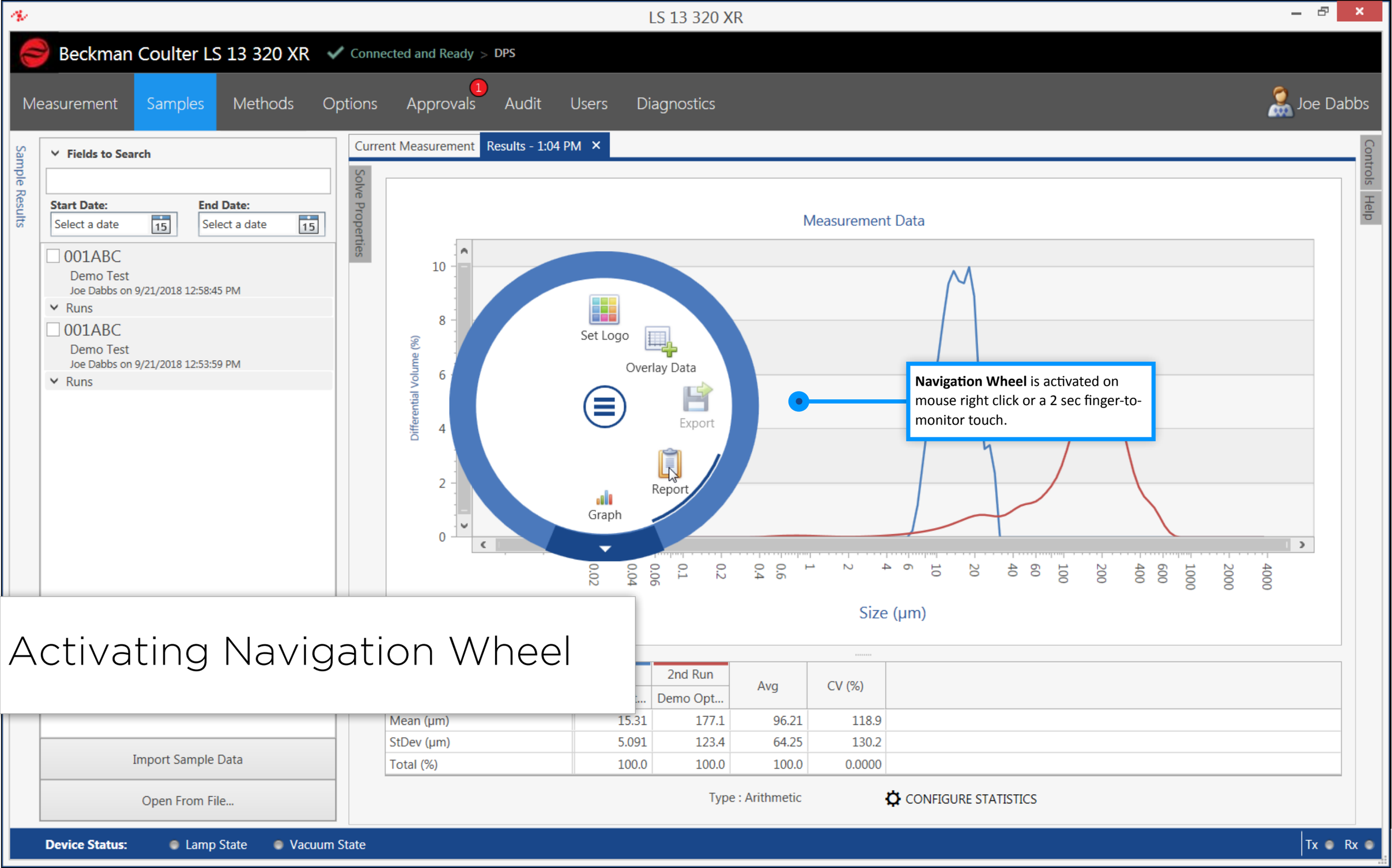
How to Create a Report



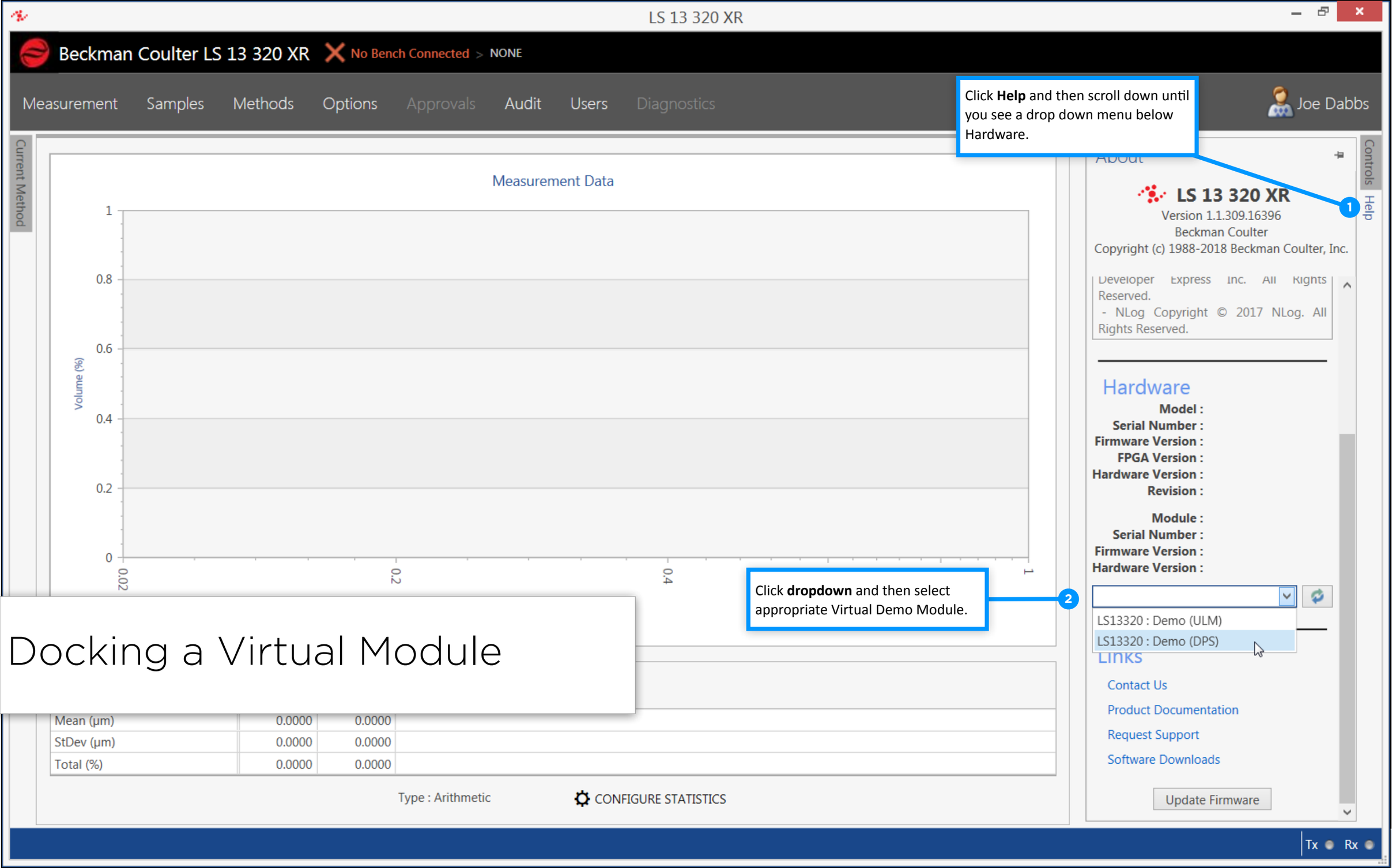
Layout Structure


LS 13 320 XR
Beckman Coulter LS 13 320 XR
No Bench Connected > NONE
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Current Method
Method
Default DPS Method
Procedure
Sample Properties
Module Type:
DPS
Target Vacuum (Torr):
35.5
Max Vacuum (Torr):
65.5
Electronic Signatures:
Queue for Review
Post-Processing Options:
Auto Print
Auto Export
Group ID*:
Sample ID*:
Start Measurement
Options allows Advanced Operator to enable 21 CFR Part 11 Features, Advanced Smoothing and Languages.
Note: Once 21 CFR Part 11 is enabled operator cannot revert back.
Measurement Data
Options
General
Language
English
Enable Advanced Smoothing Options
21 CFR Part 11
Enable 21 CFR Part 11
Default Electronic Signature Setting
Queue for Review
Minimum Number of Reviewers
2
0
1
2
3
4
5
Close
Default Electronic Signature Settings can be set for all sample results.
Note: If minimum Reviewers are set to "0" the Result only needs Approval.
Sample Properties
Avg
CV (%)
Mean (µm)
0.0000
0.0000
StDev (µm)
0.0000
0.0000
Total (%)
0.0000
0.0000
Type : Arithmetic
CONFIGURE STATISTICS
Controls
Help
Tx
Rx

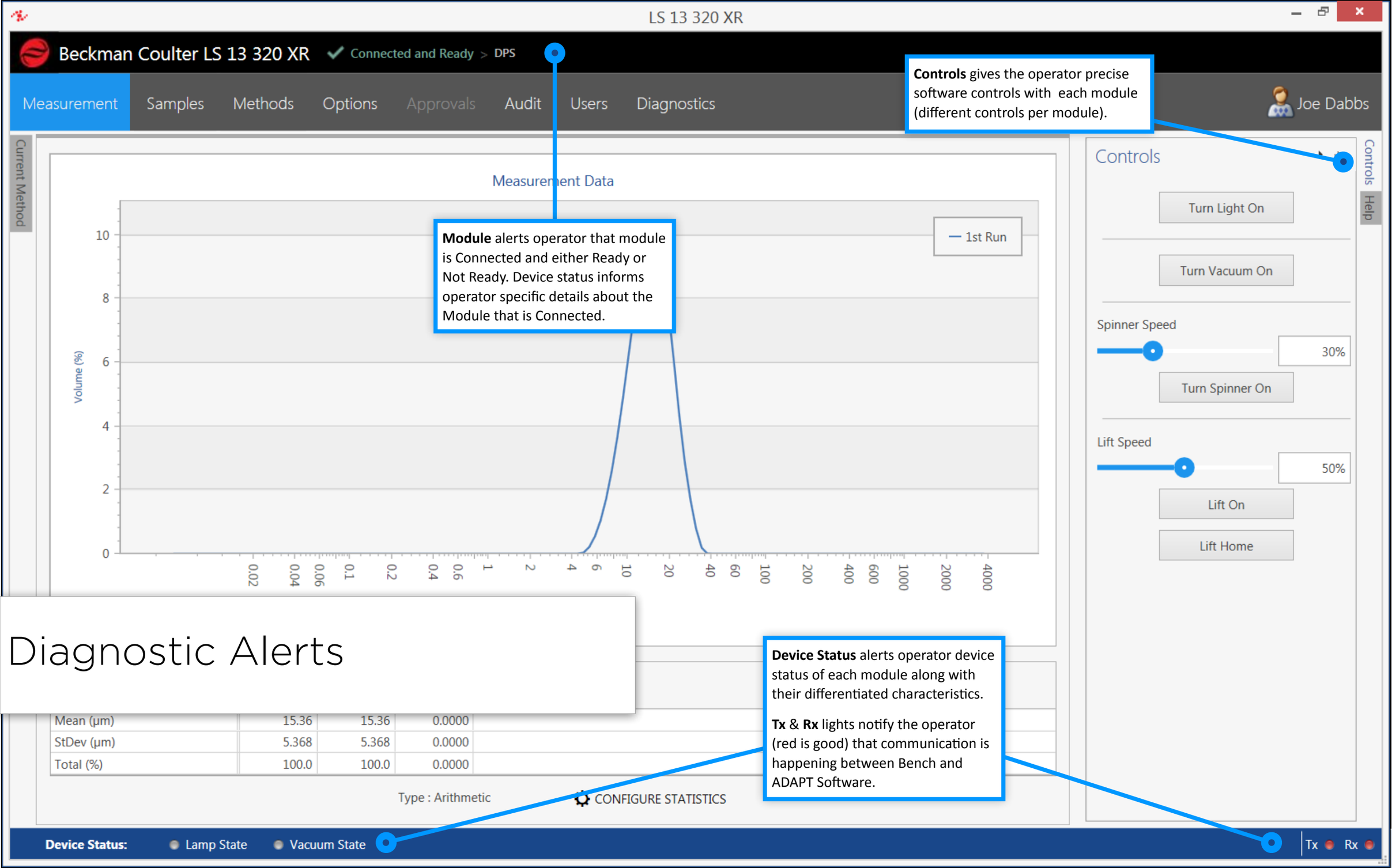

Beckman Coulter LS 13 320 XR
Connected NOT Ready
Measurement
Samples
Methods
Audit
Users
Diagnosti
Current Metho
Method
Default ULM Method
Procedure
Default DPS Method
Default ULM Method
Module T
Garnet
Number
OVGU (III)
Run Time
OVGU (IV)
Sample Loading
0%
12
Software automatically recognizes module change

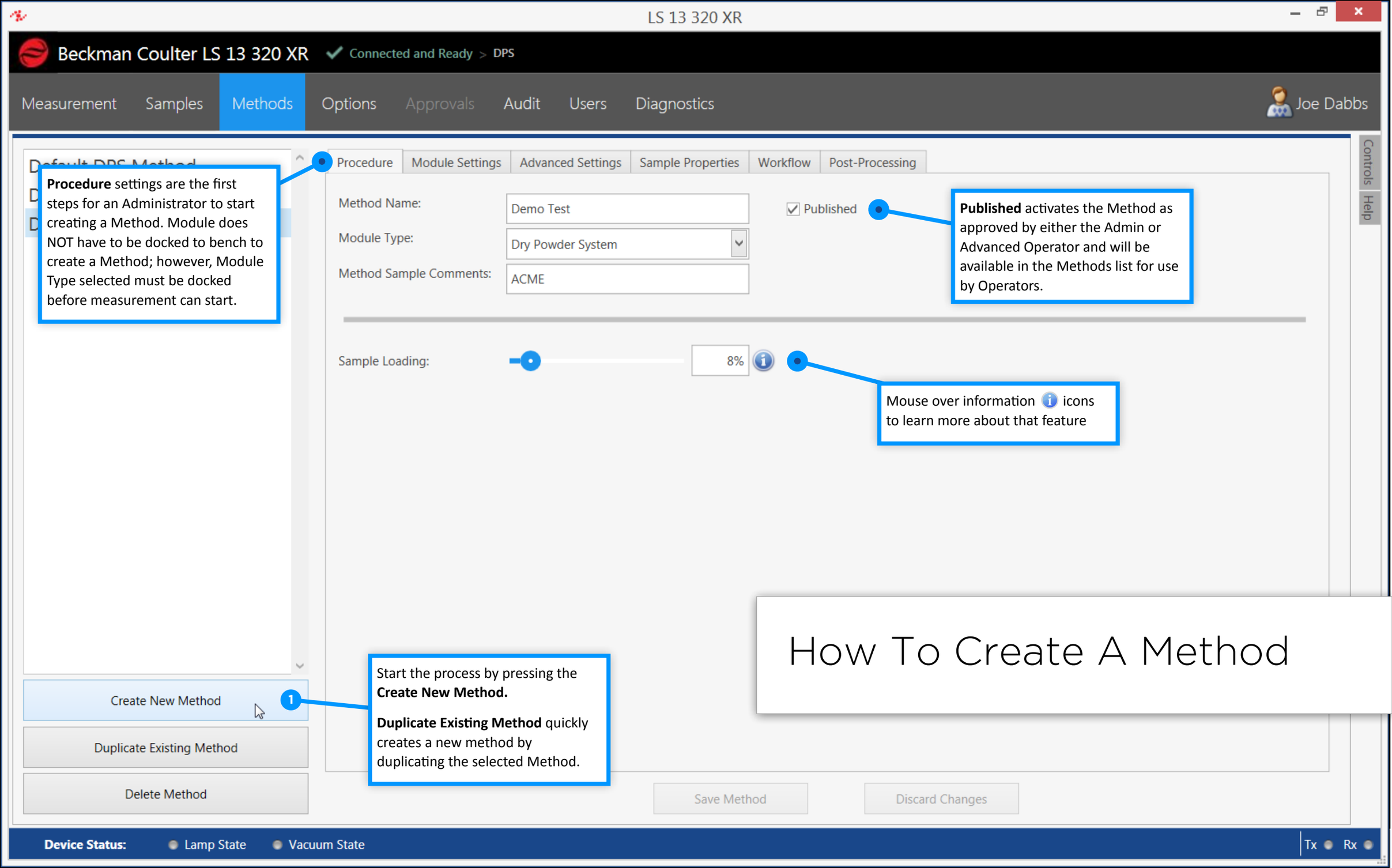


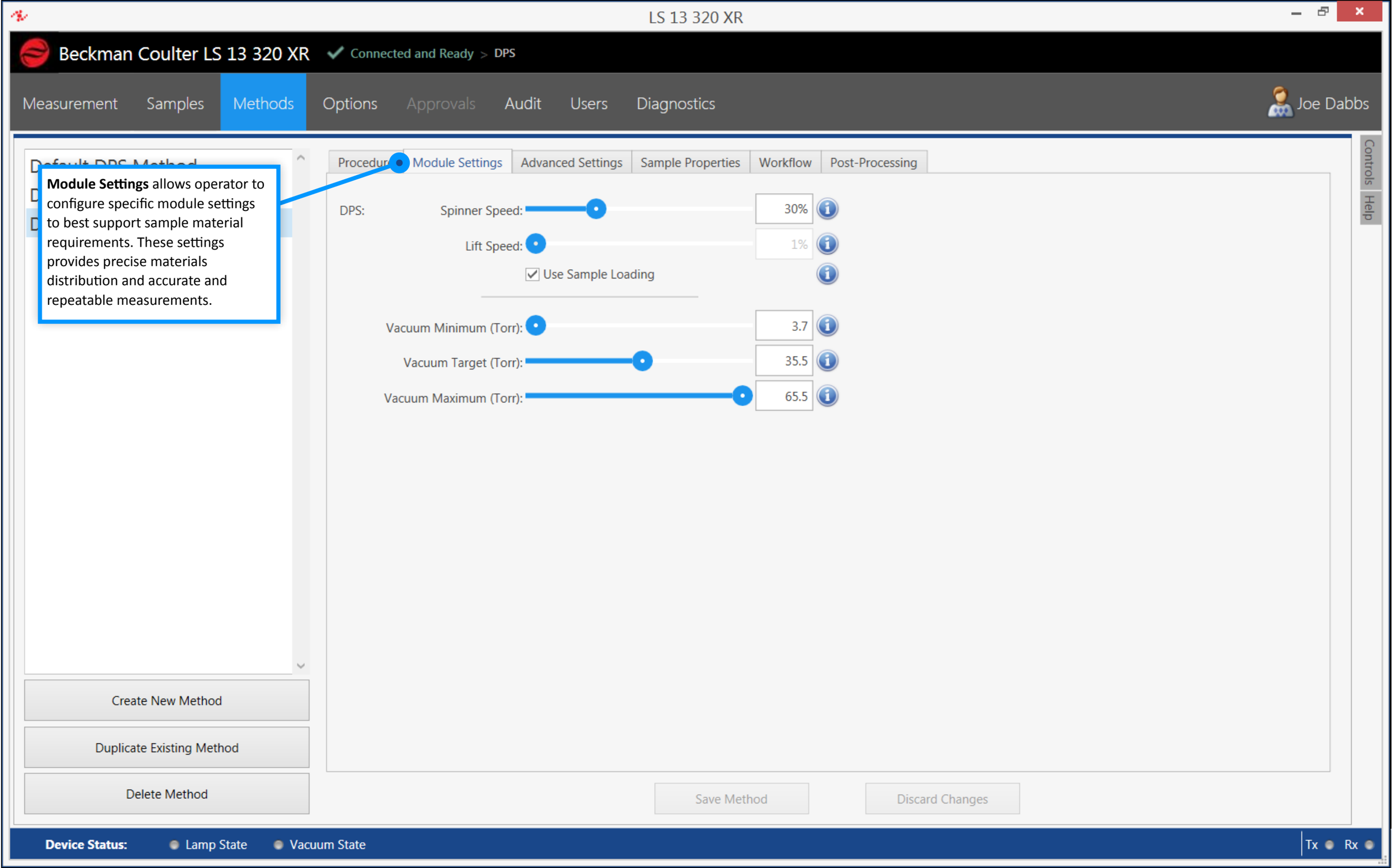
Activating Navigation Wheel

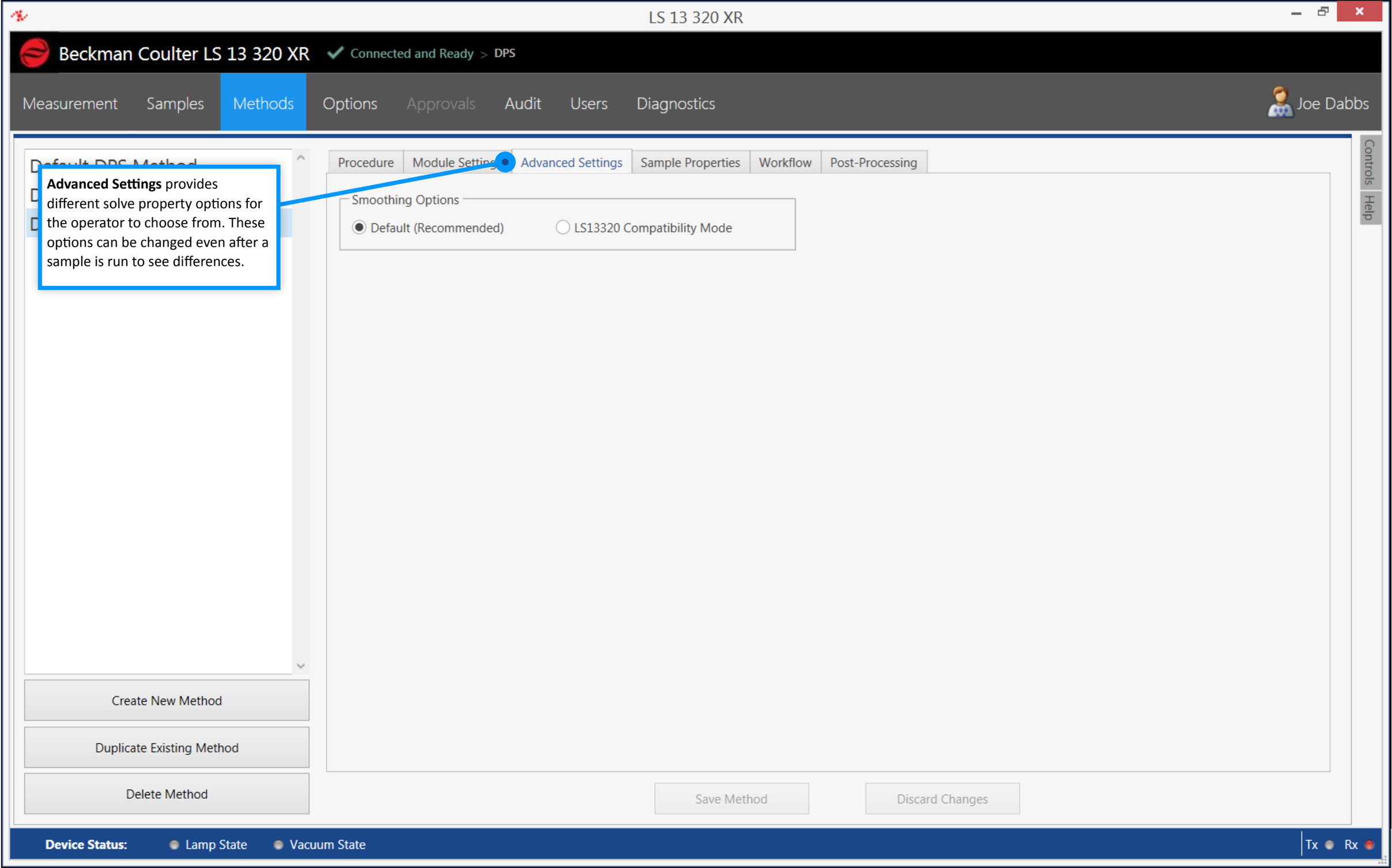


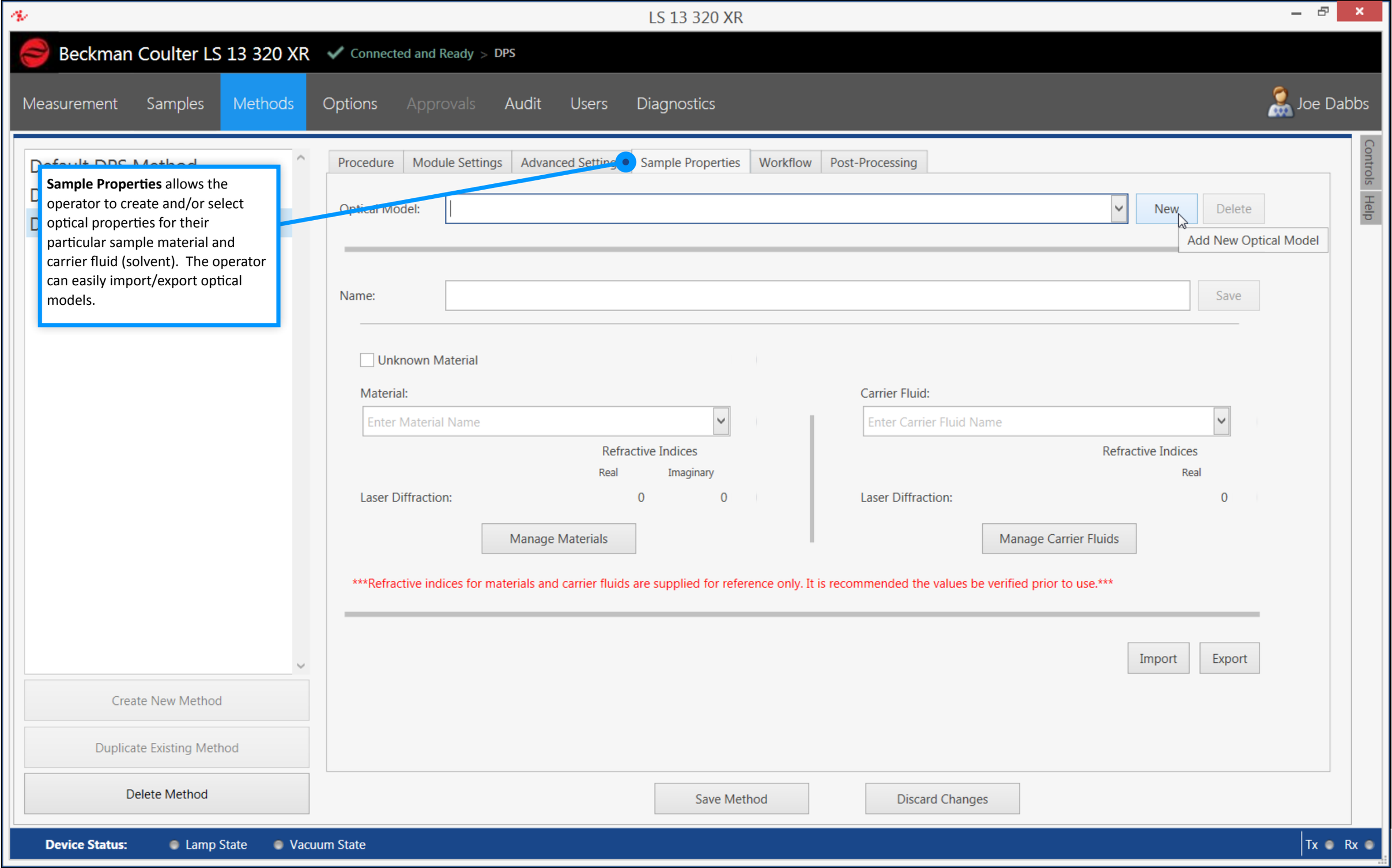
Docking a Virtual Module

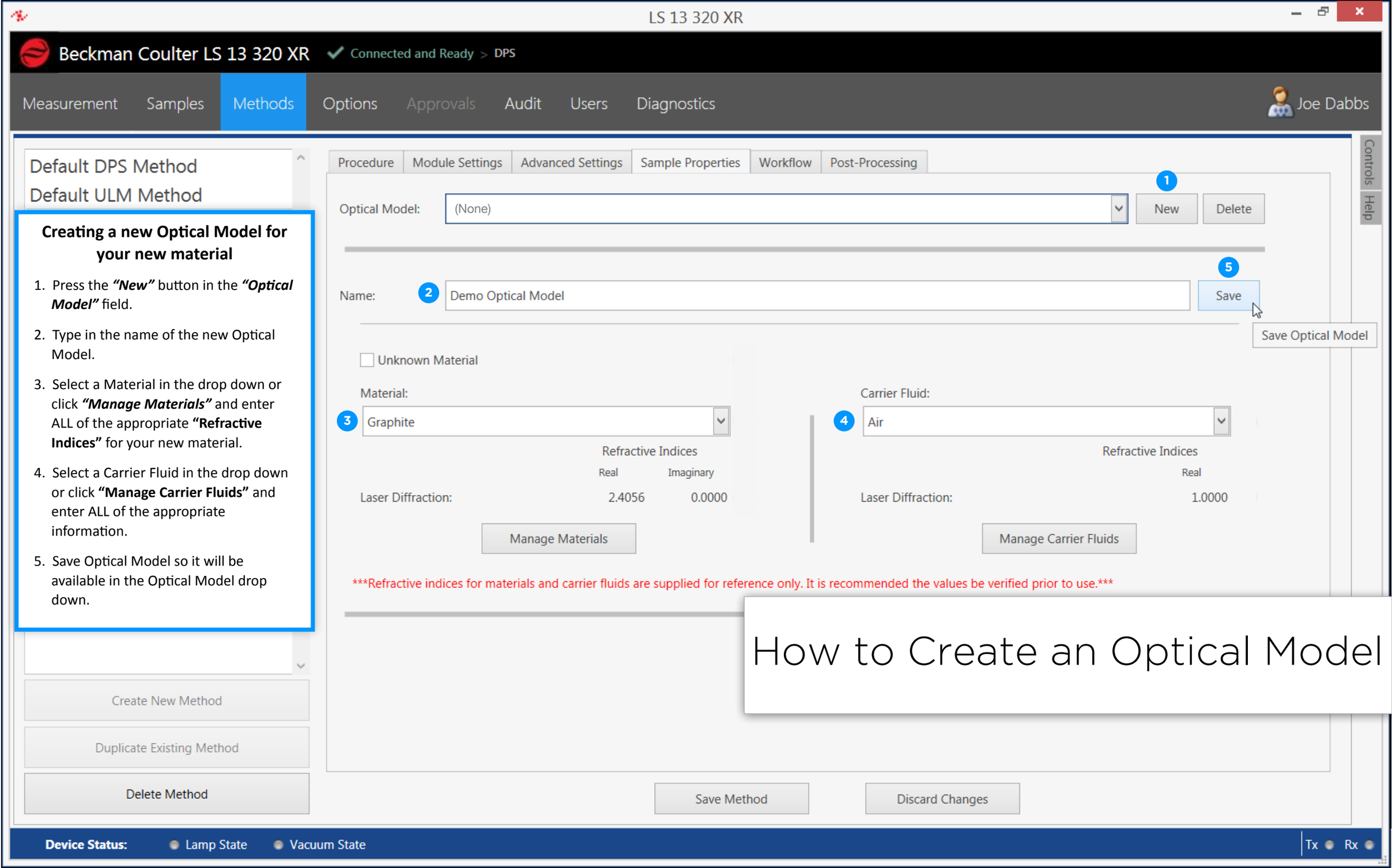

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Current Method
Measurement Data
1st Run
Volume (%)
0
2
4
6
8
10
0.02
0.04
0.06
0.1
0.2
0.4
0.6
1
2
4
6
10
20
40
60
100
200
400
600
1000
2000
4000
Controls
Turn Light On
Turn Vacuum On
Spinner Speed
30%
Turn Spinner On
Lift Speed
50%
Lift On
Lift Home
Controls
Help
Mean (µm) 15.36 15.36 0.0000
StDev (µm) 5.368 5.368 0.0000
Total (%) 100.0 100.0 0.0000
Type : Arithmetic
CONFIGURE STATISTICS
Device Status:
Lamp State
Vacuum State
Tx
Rx
Module alerts operator that module is Connected and either Ready or Not Ready. Device status informs operator specific details about the Module that is Connected.
Controls gives the operator precise software controls with each module (different controls per module).
Device Status alerts operator device status of each module along with their differentiated characteristics.
Tx & Rx lights notify the operator (red is good) that communication is happening between Bench and ADAPT Software.
Diagnostic Alerts


LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Procedure
Module Settings
Advanced Settings
Sample Properties
Workflow
Post-Processing
Method Name:
Demo Test
Published
Module Type:
Dry Powder System
Method Sample Comments:
ACME
Sample Loading:
8%
Controls
Help
Create New Method
Duplicate Existing Method
Delete Method
Save Method
Discard Changes
Device Status:
Lamp State
Vacuum State
Tx
Rx
Procedure settings are the first steps for an Administrator to start creating a Method. Module does NOT have to be docked to bench to create a Method; however, Module Type selected must be docked before measurement can start.
Published activates the Method as approved by either the Admin or Advanced Operator and will be available in the Methods list for use by Operators.
Mouse over information icons to learn more about that feature
1
Start the process by pressing the Create New Method.
Duplicate Existing Method quickly creates a new method by duplicating the selected Method.
How To Create A Method

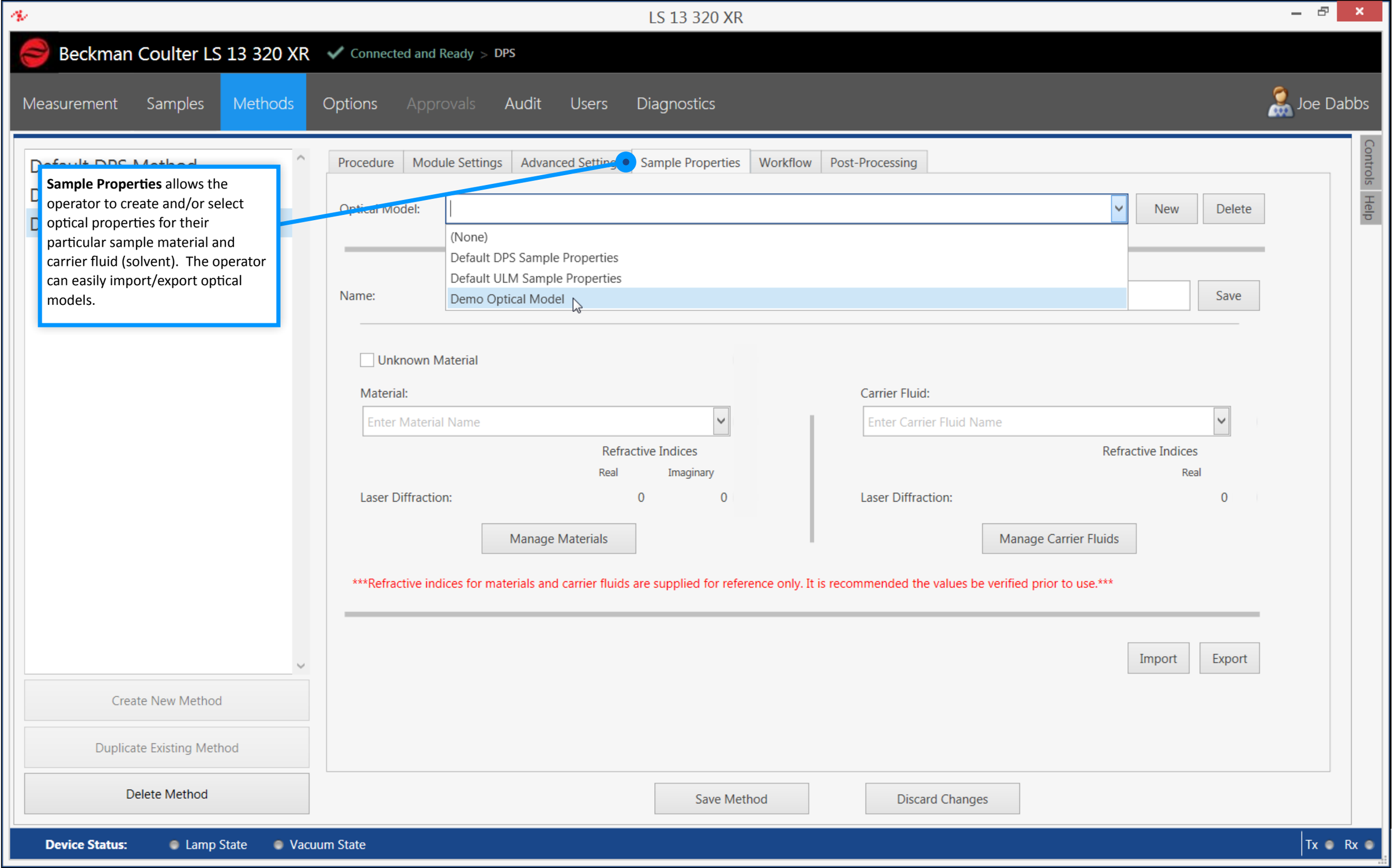

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Module Settings allows operator to configure specific module settings to best support sample material requirements. These settings provides precise materials distribution and accurate and repeatable measurements.
Procedur
Module Settings
Advanced Settings
Sample Properties
Workflow
Post-Processing
DPS:
Spinner Speed:
30%
Lift Speed:
1%
Use Sample Loading
Vacuum Minimum (Torr):
3.7
Vacuum Target (Torr):
35.5
Vacuum Maximum (Torr):
65.5
Controls
Help
Create New Method
Duplicate Existing Method
Delete Method
Save Method
Discard Changes
Device Status:
Lamp State
Vacuum State
Tx
Rx

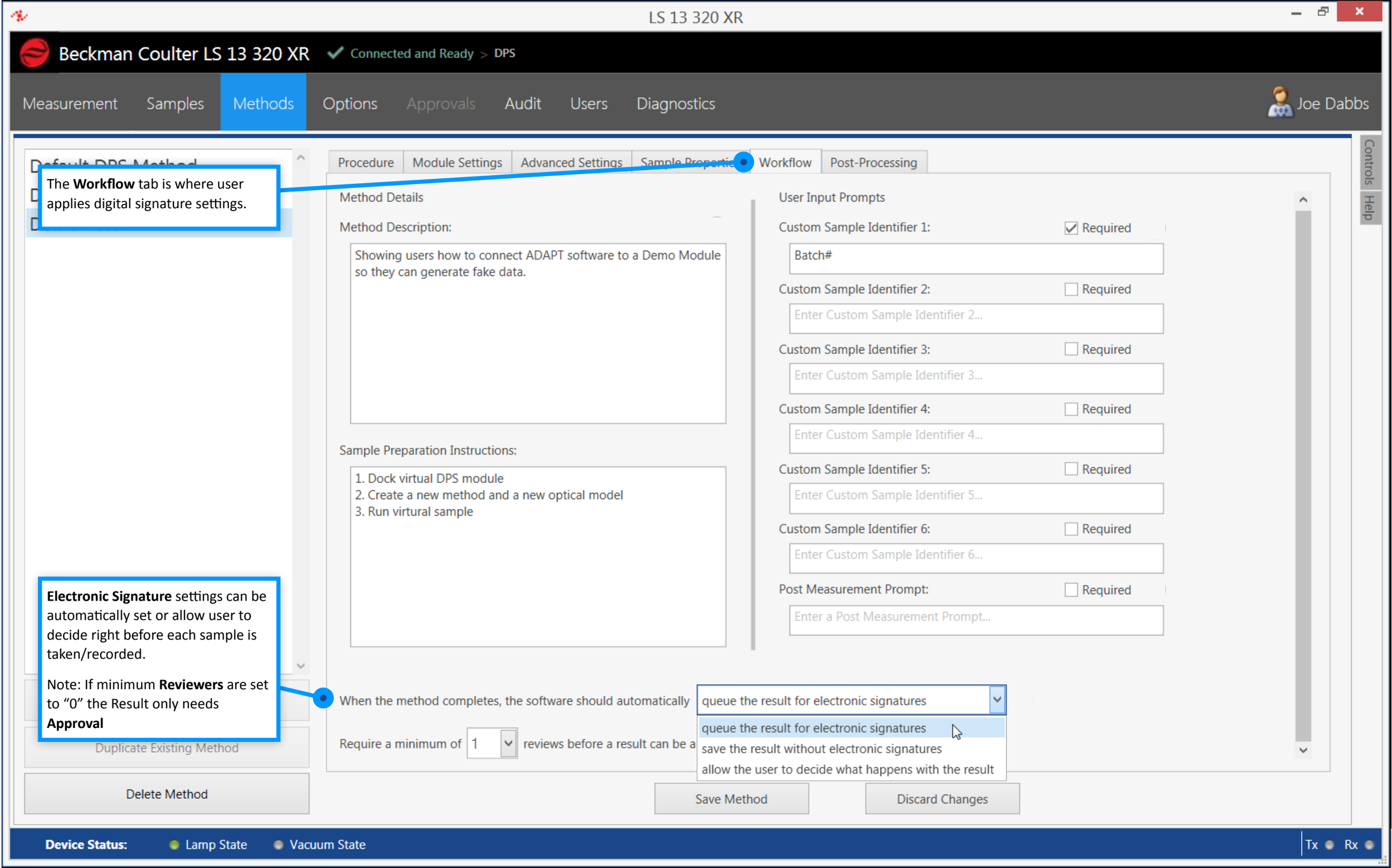

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Advanced Settings provides different solve property options for the operator to choose from. These options can be changed even after a sample is run to see differences.
Procedure
Module Setting
Advanced Settings
Sample Properties
Workflow
Post-Processing
Smoothing Options
Default (Recommended)
LS13320 Compatibility Mode
Controls
Help
Create New Method
Duplicate Existing Method
Delete Method
Save Method
Discard Changes
Device Status:
Lamp State
Vacuum State
Tx
Rx

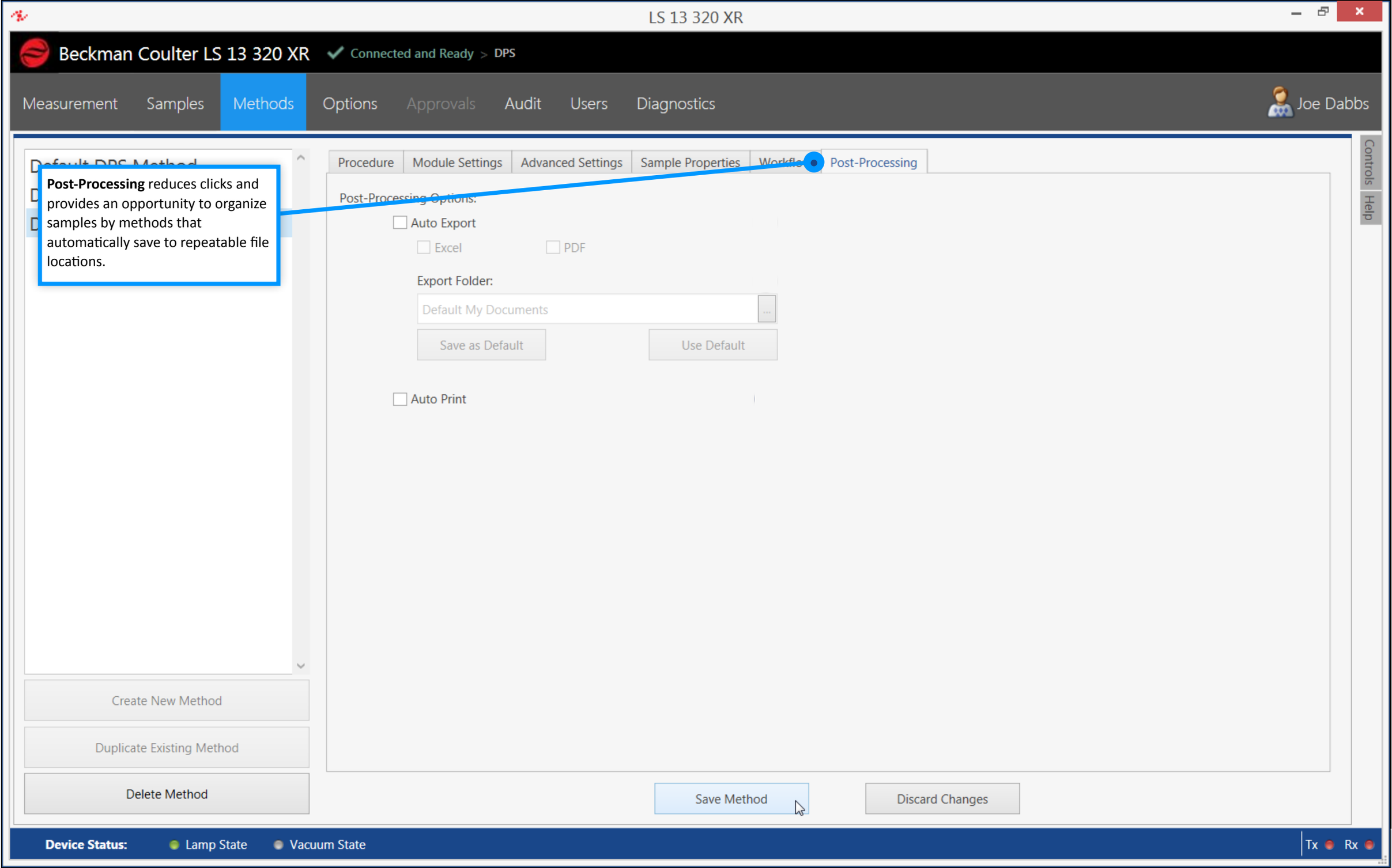

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Sample Properties allows the operator to create and/or select optical properties for their particular sample material and carrier fluid (solvent). The operator can easily import/export optical models.
Procedure
Module Settings
Advanced Setting
Sample Properties
Workflow
Post-Processing
Optical Model:
New
Delete
Add New Optical Model
Name:
Save
Unknown Material
Material:
Enter Material Name
Refractive Indices
Real
Imaginary
Laser Diffraction:
0
0
Manage Materials
Carrier Fluid:
Enter Carrier Fluid Name
Refractive Indices
Real
Laser Diffraction:
0
Manage Carrier Fluids
Refractive indices for materials and carrier fluids are supplied for reference only. It is recommended the values be verified prior to use.
Import
Export
Create New Method
Duplicate Existing Method
Delete Method
Save Method
Discard Changes
Controls
Help
Device Status:
Lamp State
Vacuum State
Tx
Rx

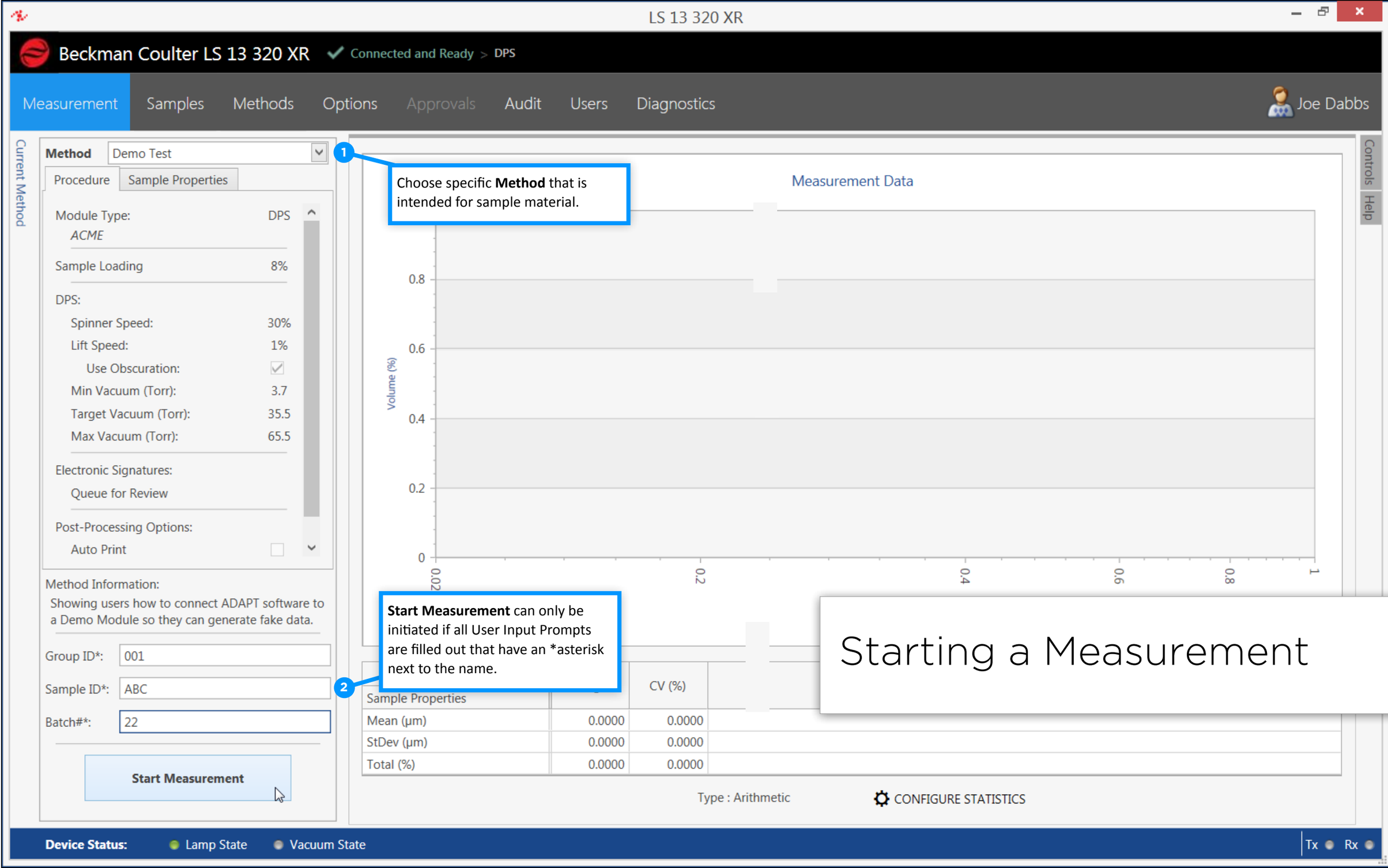


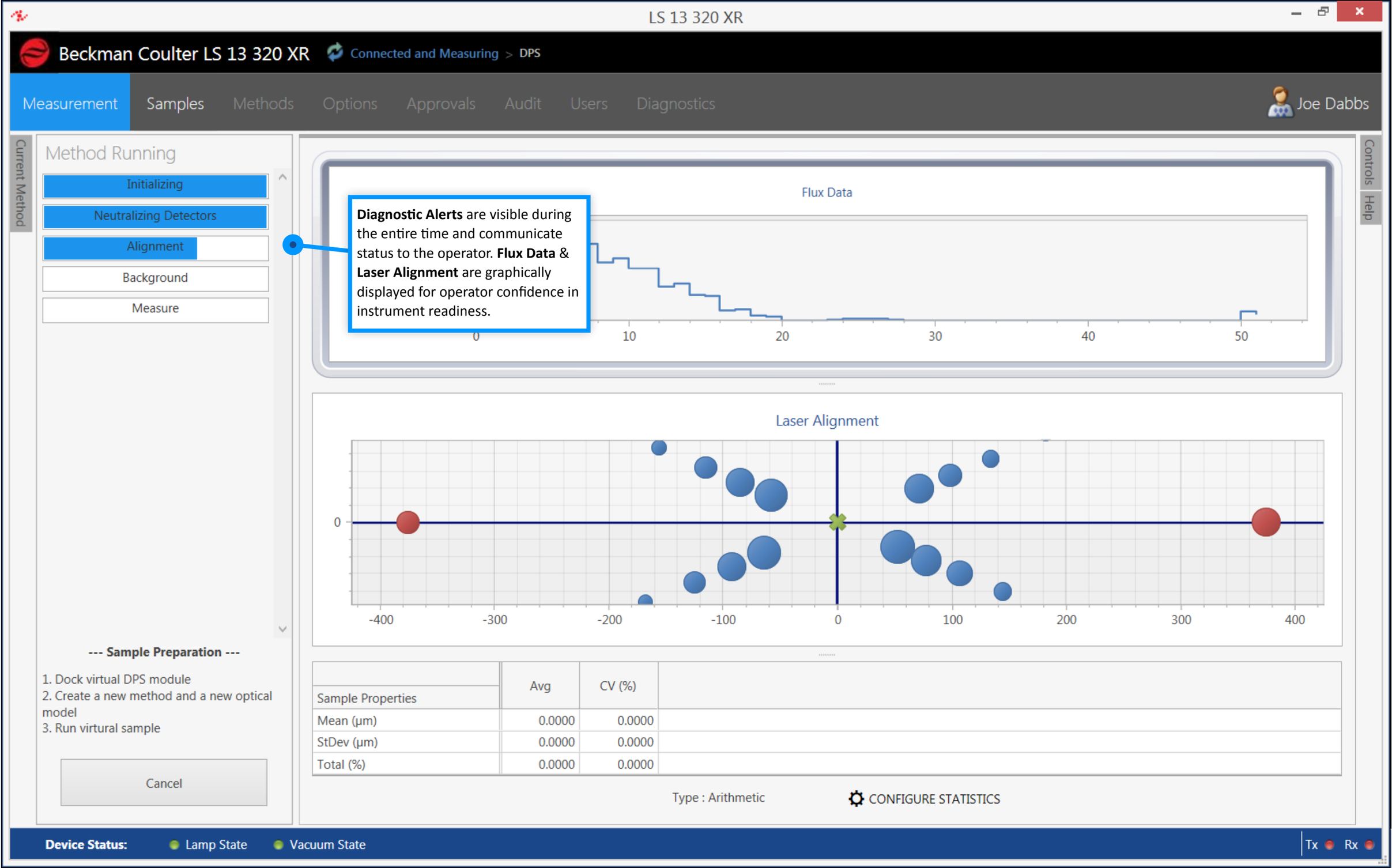
How to Create an Optical Model

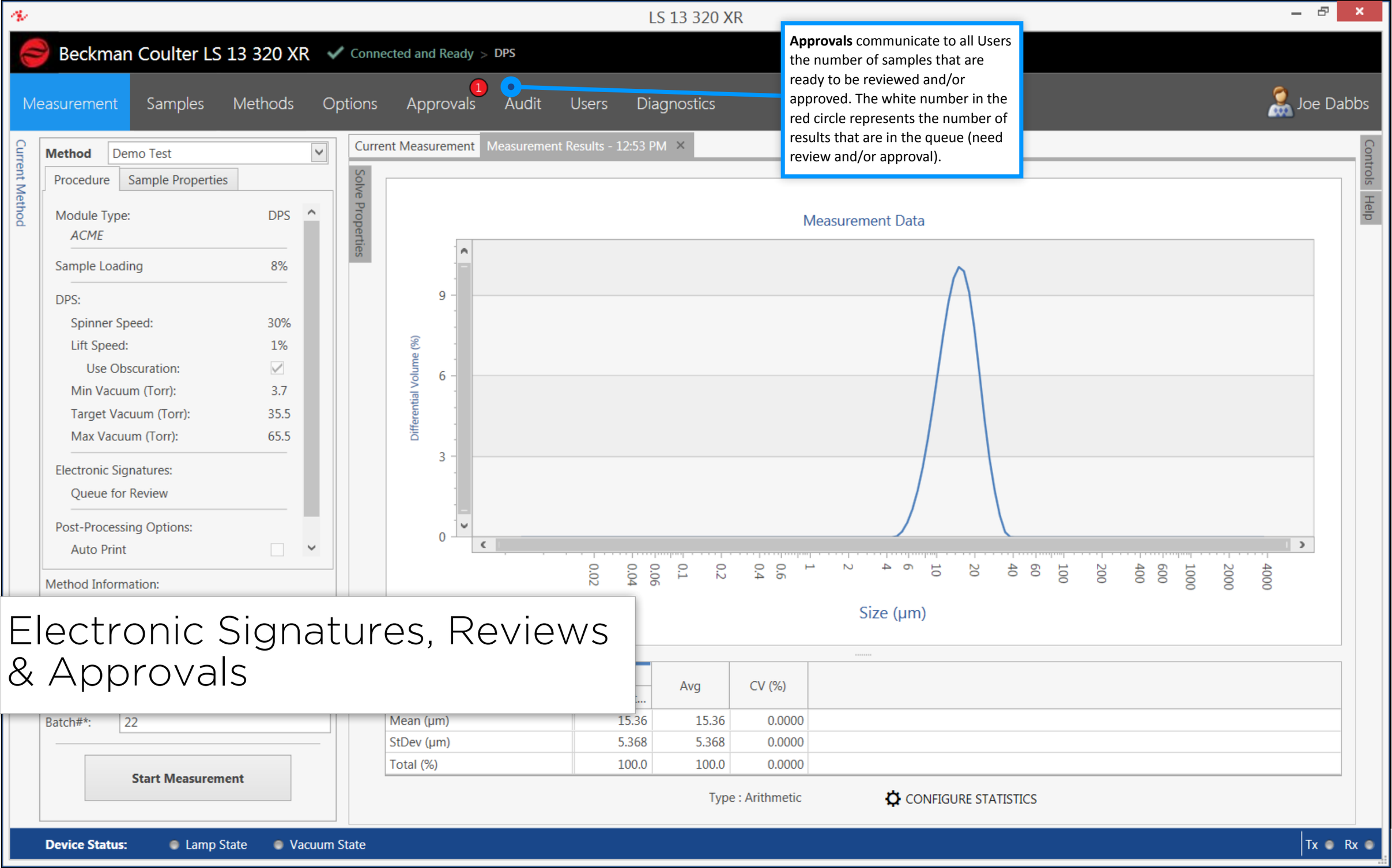

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Sample Properties allows the operator to create and/or select optical properties for their particular sample material and carrier fluid (solvent). The operator can easily import/export optical models.
Procedure
Module Settings
Advanced Setting
Sample Properties
Workflow
Post-Processing
Optical Model:
New
Delete
(None)
Default DPS Sample Properties
Default ULM Sample Properties
Demo Optical Model
Name:
Save
Unknown Material
Material:
Enter Material Name
Refractive Indices
Real
Imaginary
Laser Diffraction:
0
0
Manage Materials
Carrier Fluid:
Enter Carrier Fluid Name
Refractive Indices
Real
Laser Diffraction:
0
Manage Carrier Fluids
Refractive indices for materials and carrier fluids are supplied for reference only. It is recommended the values be verified prior to use.
Import
Export
Create New Method
Duplicate Existing Method
Delete Method
Save Method
Discard Changes
Controls
Help
Device Status:
Lamp State
Vacuum State
Tx
Rx


LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
The **Workflow** tab is where user applies digital signature settings.
Procedure
Module Settings
Advanced Settings
Workflow
Post-Processing
Method Details
Method Description:
Showing users how to connect ADAPT software to a Demo Module so they can generate fake data.
Sample Preparation Instructions:
1. Dock virtual DPS module
2. Create a new method and a new optical model
3. Run virtural sample
User Input Prompts
Custom Sample Identifier 1:
Required
Batch#
Custom Sample Identifier 2:
Required
Enter Custom Sample Identifier 2...
Custom Sample Identifier 3:
Required
Enter Custom Sample Identifier 3...
Custom Sample Identifier 4:
Required
Enter Custom Sample Identifier 4...
Custom Sample Identifier 5:
Required
Enter Custom Sample Identifier 5...
Custom Sample Identifier 6:
Required
Enter Custom Sample Identifier 6...
Post Measurement Prompt:
Required
Enter a Post Measurement Prompt...
Electronic Signature settings can be automatically set or allow user to decide right before each sample is taken/recorded.
Note: If minimum **Reviewers** are set to "0" the Result only needs **Approval**
When the method completes, the software should automatically
queue the result for electronic signatures
queue the result for electronic signatures
save the result without electronic signatures
allow the user to decide what happens with the result
Require a minimum of
1
reviews before a result can be a
Duplicate Existing Method
Delete Method
Save Method
Discard Changes
Controls
Help
Device Status:
Lamp State
Vacuum State
Tx
Rx

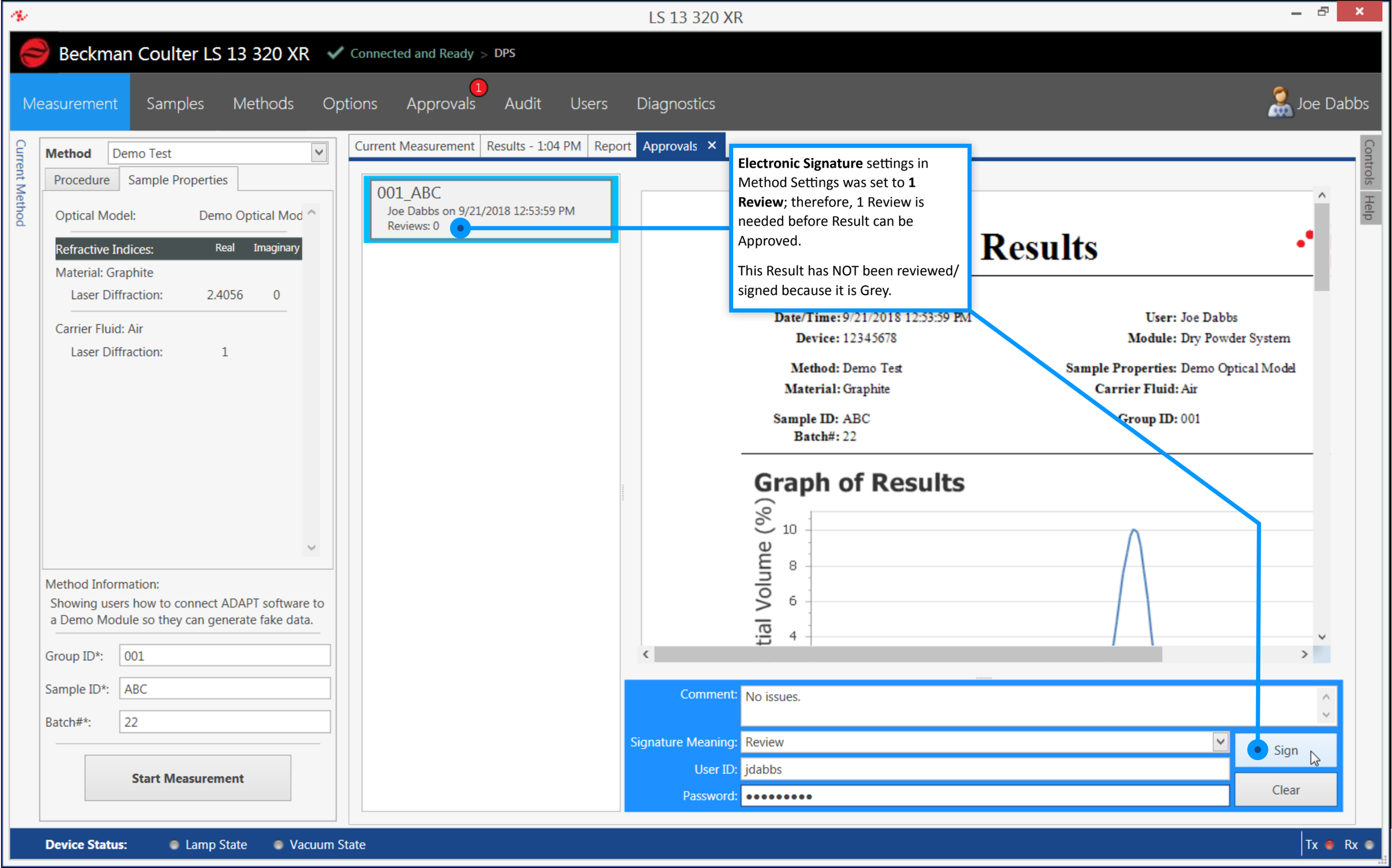

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Post-Processing reduces clicks and provides an opportunity to organize samples by methods that automatically save to repeatable file locations.
Procedure
Module Settings
Advanced Settings
Sample Properties
Post-Processing
Post-Processing Options:
Auto Export
Excel
PDF
Export Folder:
Default My Documents
Save as Default
Use Default
Auto Print
Create New Method
Duplicate Existing Method
Delete Method
Save Method
Discard Changes
Controls
Help
Device Status:
Lamp State
Vacuum State
Tx
Rx

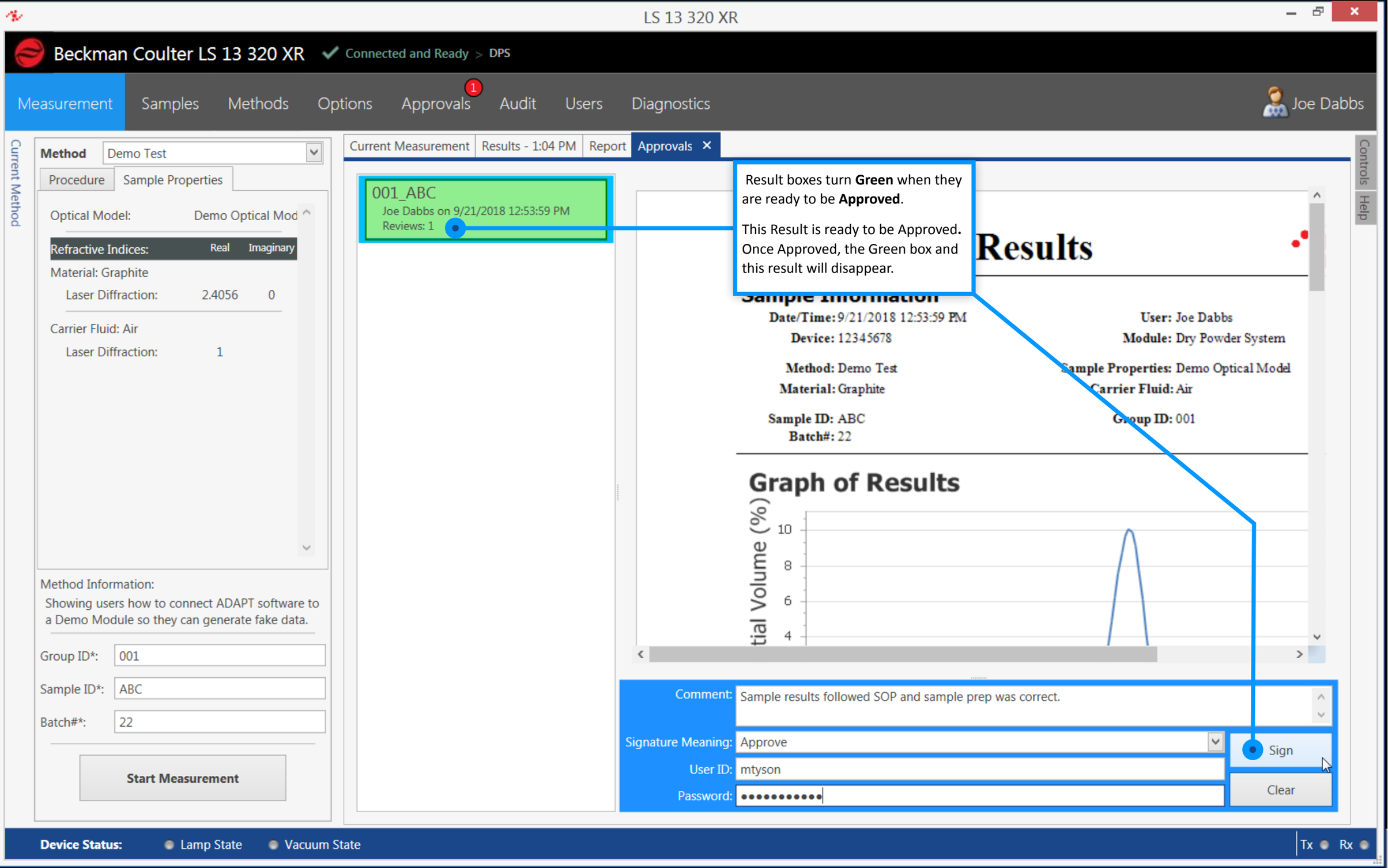

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Current Method
Method
Demo Test
Procedure
Sample Properties
Module Type: DPS
ACME
Sample Loading 8%
DPS:
Spinner Speed: 30%
Lift Speed: 1%
Use Obscuration:
Min Vacuum (Torr): 3.7
Target Vacuum (Torr): 35.5
Max Vacuum (Torr): 65.5
Electronic Signatures:
Queue for Review
Post-Processing Options:
Auto Print
Method Information:
Showing users how to connect ADAPT software to a Demo Module so they can generate fake data.
Group ID*: 001
Sample ID*: ABC
Batch#*: 22
Start Measurement
1
Choose specific Method that is intended for sample material.
Measurement Data
Volume (%)
0.8
0.6
0.4
0.2
0
0.02
0.2
0.4
0.6
0.8
1
2
Start Measurement can only be initiated if all User Input Prompts are filled out that have an *asterisk next to the name.
Starting a Measurement
CV (%)
Sample Properties
Mean (µm) 0.0000 0.0000
StDev (µm) 0.0000 0.0000
Total (%) 0.0000 0.0000
Type : Arithmetic
CONFIGURE STATISTICS
Controls
Help
Device Status:
Lamp State
Vacuum State
Tx
Rx

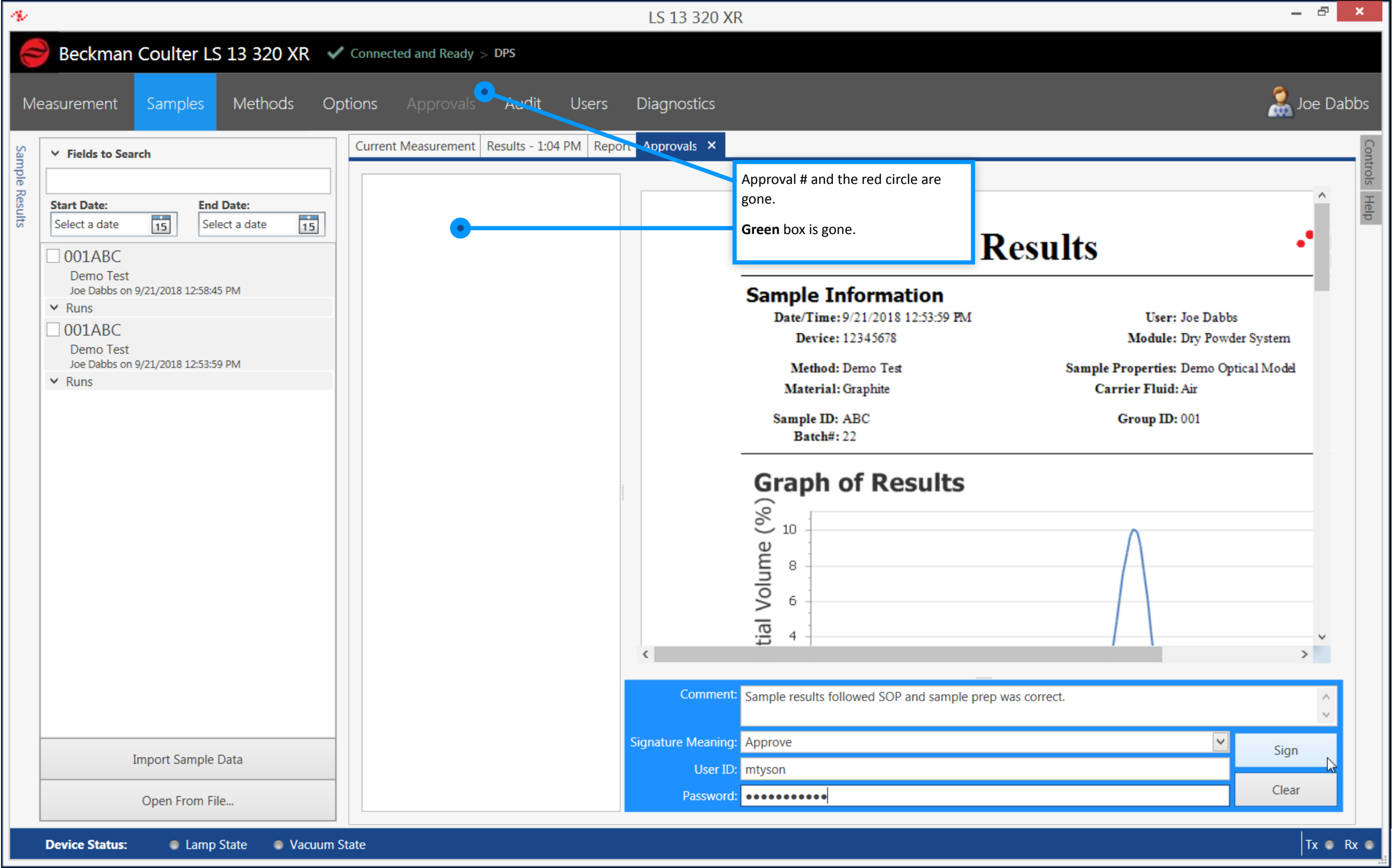

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Measuring > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Current Method
Method Running
Initializing
Neutralizing Detectors
Alignment
Background
Measure
Diagnostic Alerts are visible during the entire time and communicate status to the operator. Flux Data & Laser Alignment are graphically displayed for operator confidence in instrument readiness.
Flux Data
0
10
20
30
40
50
Laser Alignment
0
-400
-300
-200
-100
0
100
200
300
400
--- Sample Preparation ---
1. Dock virtual DPS module
2. Create a new method and a new optical model
3. Run virtural sample
Cancel
Sample Properties
Avg
CV (%)
Mean (µm) 0.0000 0.0000
StDev (µm) 0.0000 0.0000
Total (%) 0.0000 0.0000
Type : Arithmetic
CONFIGURE STATISTICS
Controls
Help
Device Status:
Lamp State
Vacuum State
Tx
Rx

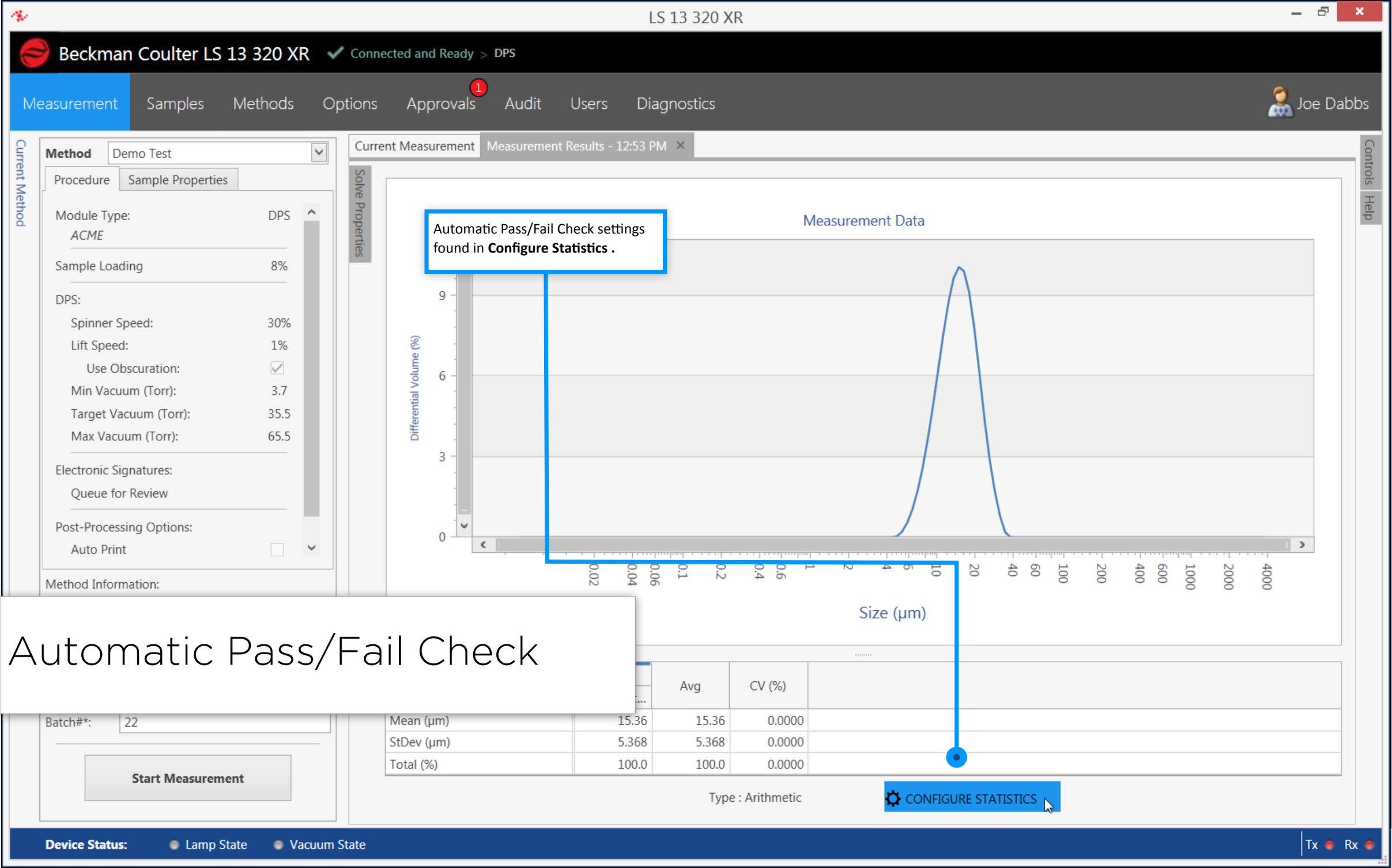


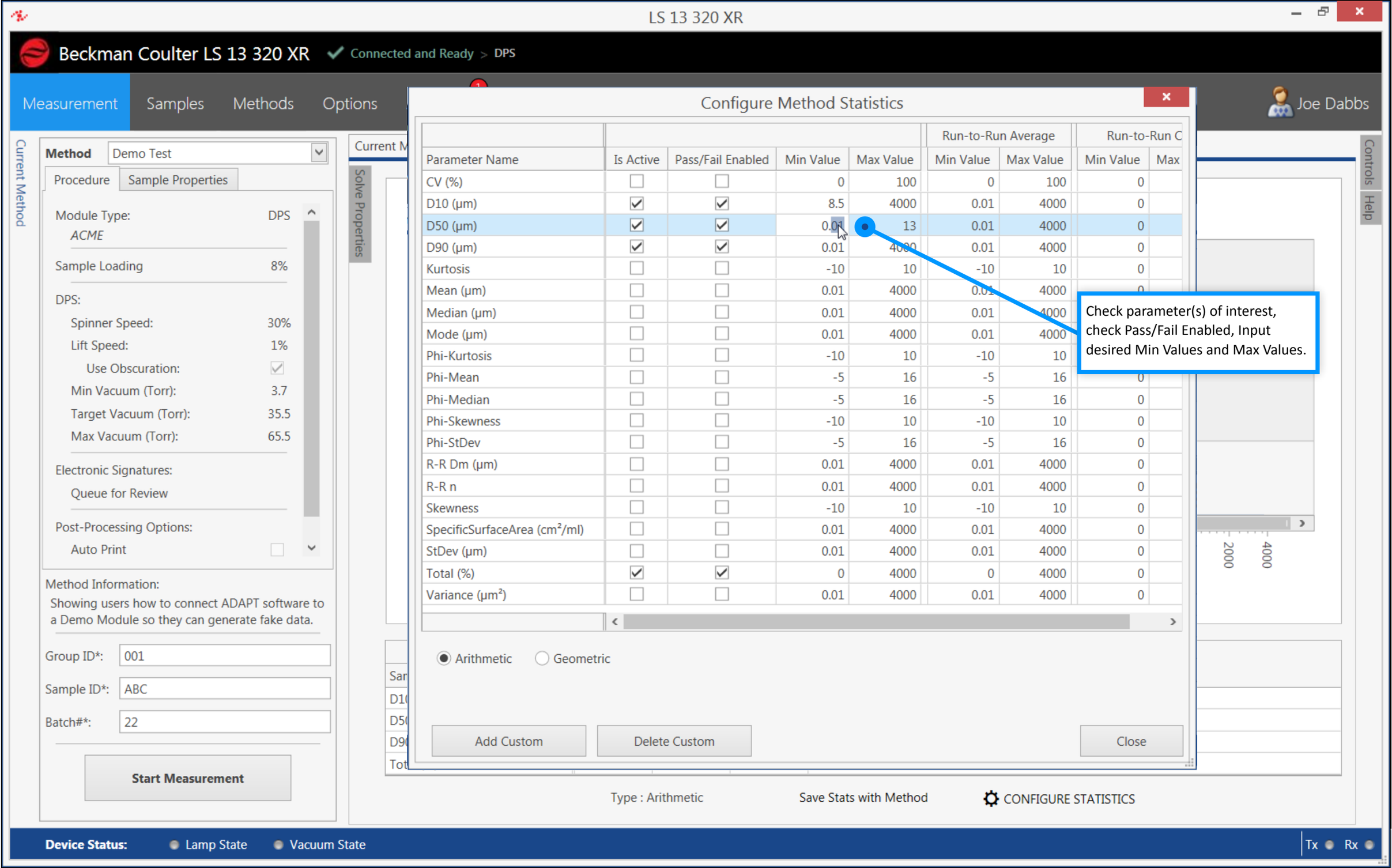
Electronic Signatures, Reviews & Approvals

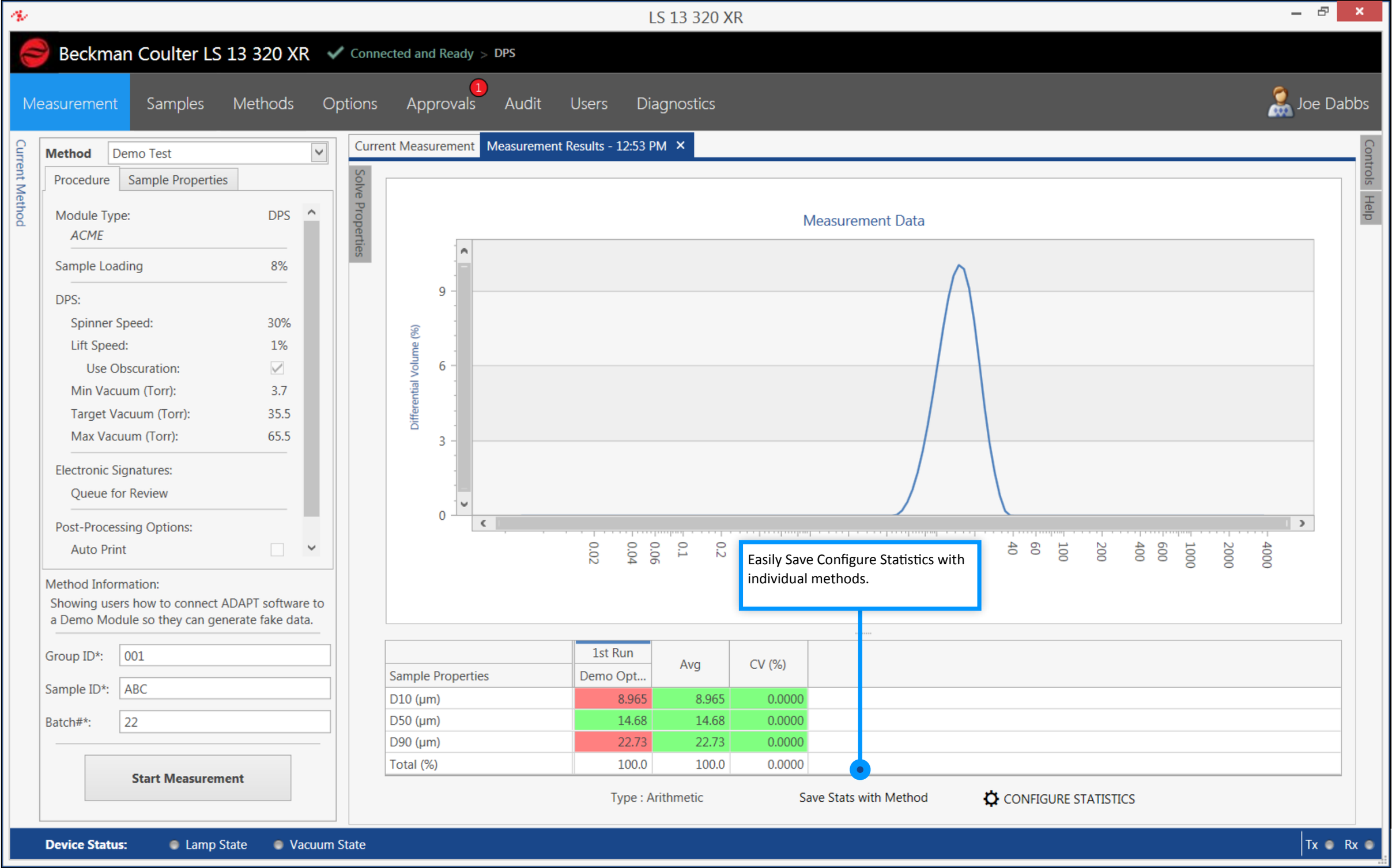

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
1
Audit
Users
Diagnostics
Joe Dabbs
Current Method
Method
Demo Test
Procedure
Sample Properties
Optical Model:
Demo Optical Mod
Refractive Indices:
Real
Imaginary
Material: Graphite
Laser Diffraction:
2.4056
0
Carrier Fluid: Air
Laser Diffraction:
1
Method Information:
Showing users how to connect ADAPT software to a Demo Module so they can generate fake data.
Group ID*:
001
Sample ID*:
ABC
Batch#*:
22
Start Measurement
Current Measurement
Results - 1:04 PM
Report
Approvals
001_ABC
Joe Dabbs on 9/21/2018 12:53:59 PM
Reviews: 0
Electronic Signature settings in Method Settings was set to 1 Review; therefore, 1 Review is needed before Result can be Approved.
This Result has NOT been reviewed/ signed because it is Grey.
Results
Date/Time: 9/21/2018 12:53:59 PM
Device: 12345678
Method: Demo Test
Material: Graphite
Sample ID: ABC
Batch#: 22
User: Joe Dabbs
Module: Dry Powder System
Sample Properties: Demo Optical Model
Carrier Fluid: Air
Group ID: 001
Graph of Results
tial Volume (%)
10
8
6
4
Comment:
No issues.
Signature Meaning:
Review
User ID:
jdabbs
Password:
Sign
Clear
Controls
Help
Device Status:
Lamp State
Vacuum State
Tx
Rx

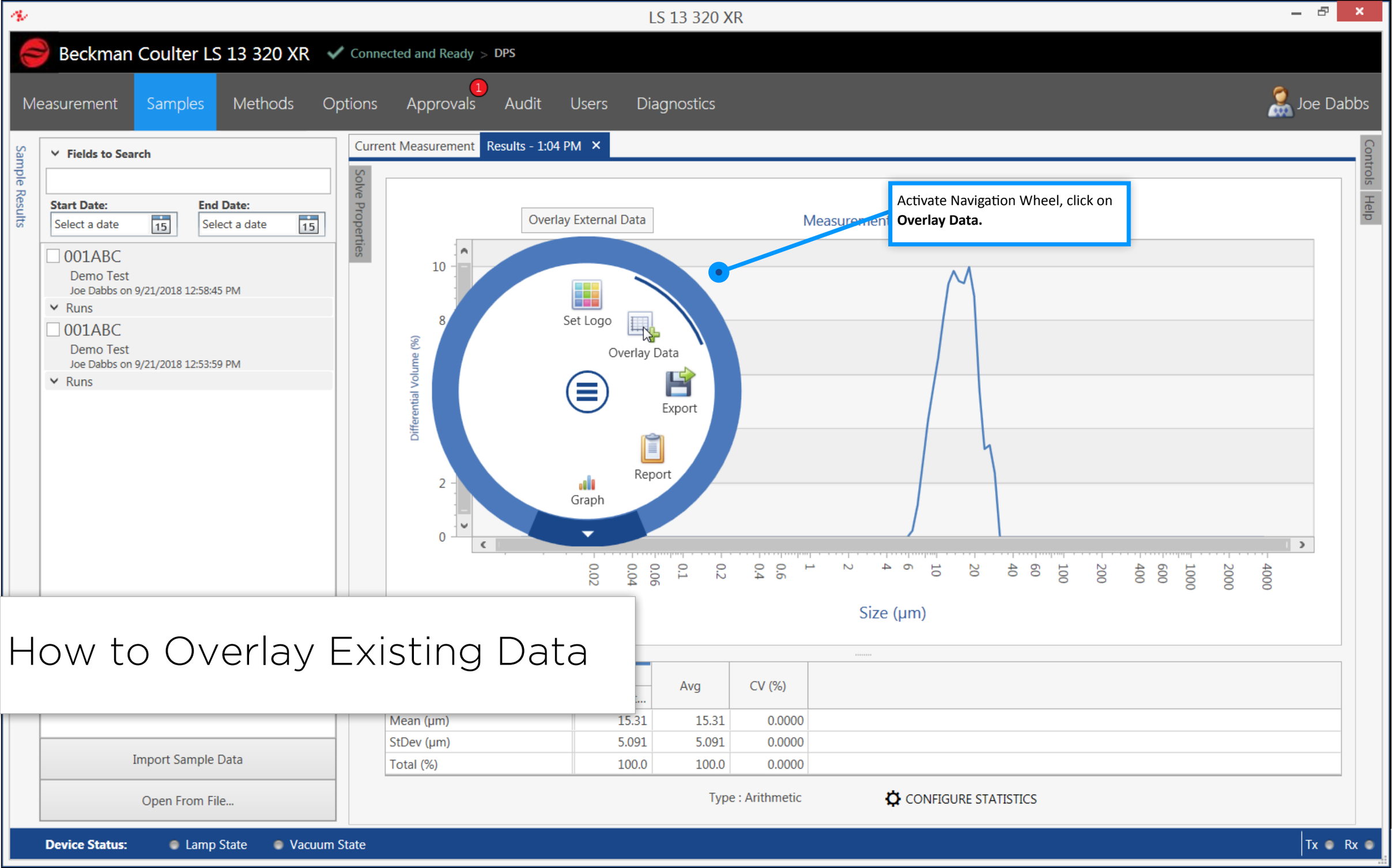

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
1
Audit
Users
Diagnostics
Joe Dabbs
Current Method
Method
Demo Test
Procedure
Sample Properties
Optical Model:
Demo Optical Mod
Refractive Indices:
Real
Imaginary
Material: Graphite
Laser Diffraction:
2.4056
0
Carrier Fluid: Air
Laser Diffraction:
1
Method Information:
Showing users how to connect ADAPT software to a Demo Module so they can generate fake data.
Group ID*:
001
Sample ID*:
ABC
Batch#*:
22
Start Measurement
Current Measurement
Results - 1:04 PM
Report
Approvals
001_ABC
Joe Dabbs on 9/21/2018 12:53:59 PM
Reviews: 1
Result boxes turn Green when they are ready to be Approved.
This Result is ready to be Approved. Once Approved, the Green box and this result will disappear.
Results
Date/Time: 9/21/2018 12:53:59 PM
Device: 12345678
Method: Demo Test
Material: Graphite
Sample ID: ABC
Batch#: 22
User: Joe Dabbs
Module: Dry Powder System
Sample Properties: Demo Optical Model
Carrier Fluid: Air
Group ID: 001
Graph of Results
Comment:
Sample results followed SOP and sample prep was correct.
Signature Meaning:
Approve
User ID:
mtyson
Password:
Sign
Clear
Controls
Help
Device Status:
Lamp State
Vacuum State
Tx
Rx

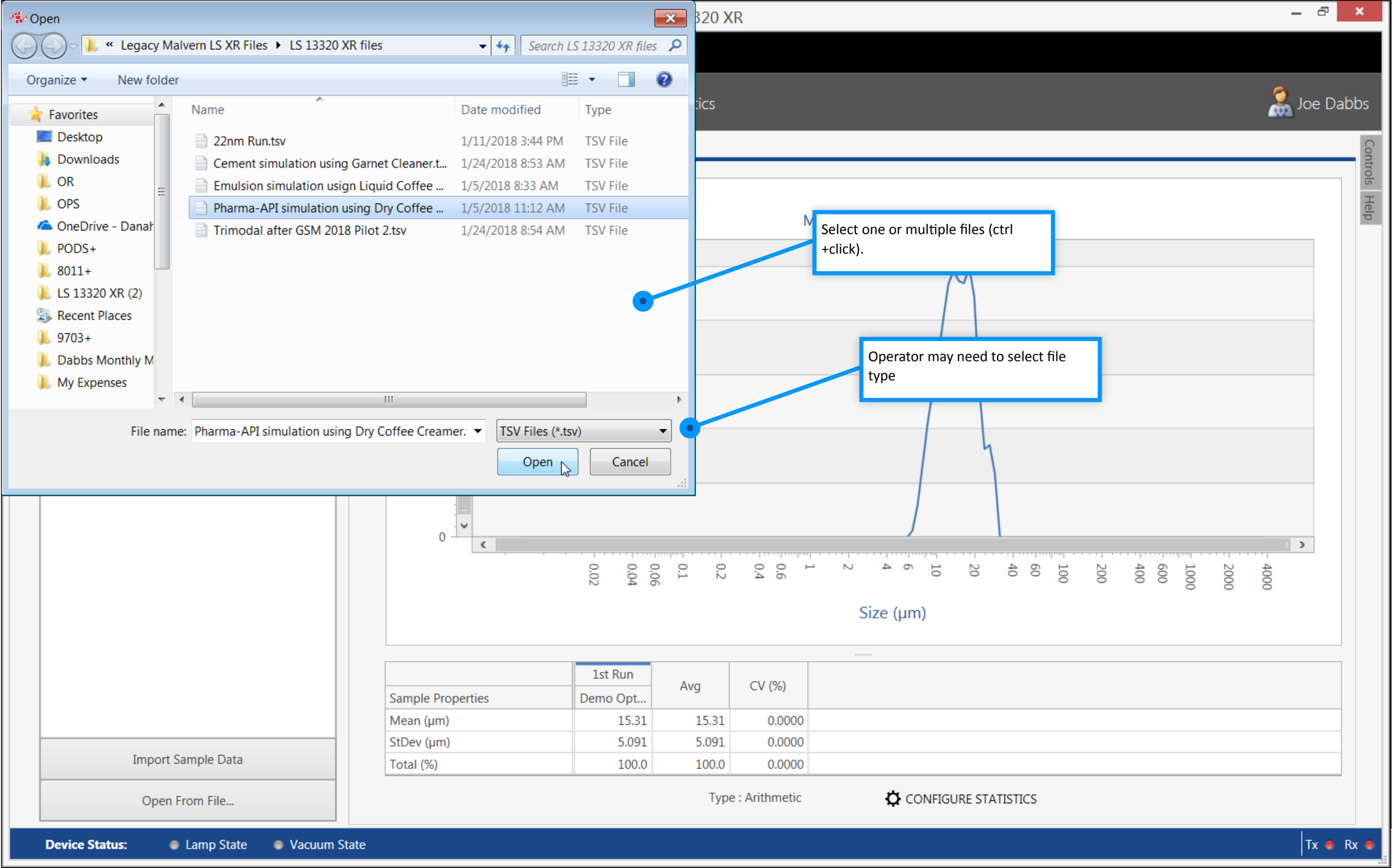

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
Audit
Users
Diagnostics
Joe Dabbs
Sample Results
Fields to Search
Start Date:
Select a date
End Date:
Select a date
001ABC
Demo Test
Joe Dabbs on 9/21/2018 12:58:45 PM
Runs
001ABC
Demo Test
Joe Dabbs on 9/21/2018 12:53:59 PM
Runs
Import Sample Data
Open From File...
Current Measurement
Results - 1:04 PM
Report
Approvals
Approval # and the red circle are gone.
Green box is gone.
Results
Sample Information
Date/Time: 9/21/2018 12:53:59 PM
Device: 12345678
Method: Demo Test
Material: Graphite
Sample ID: ABC
Batch#: 22
User: Joe Dabbs
Module: Dry Powder System
Sample Properties: Demo Optical Model
Carrier Fluid: Air
Group ID: 001
Graph of Results
tial Volume (%)
10
8
6
4
Comment:
Sample results followed SOP and sample prep was correct.
Signature Meaning:
Approve
User ID:
mtyson
Password:
Sign
Clear
Controls
Help
Device Status:
Lamp State
Vacuum State
Tx
Rx

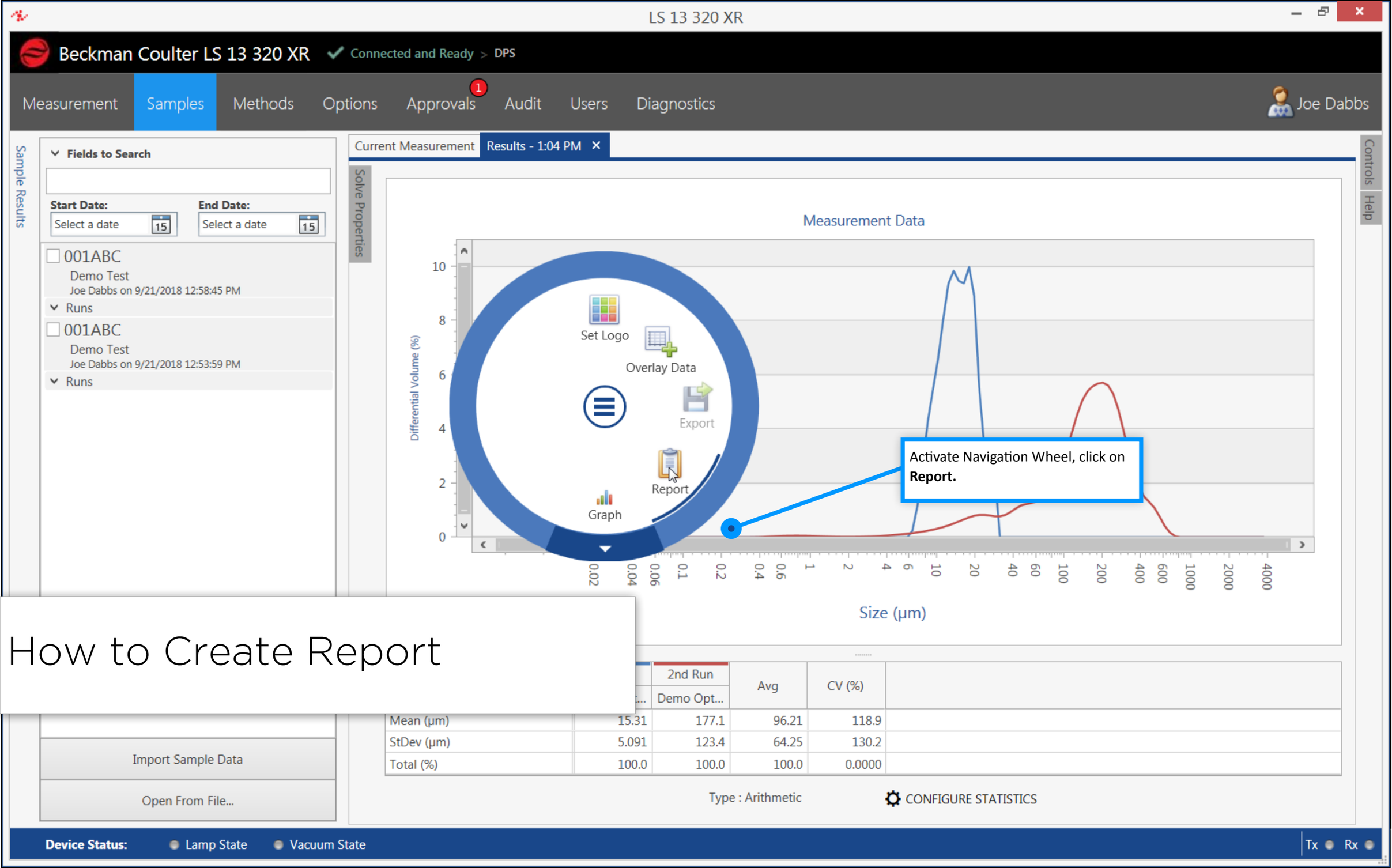

LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
1
Audit
Users
Diagnostics
Joe Dabbs
Current Method
Method
Demo Test
Procedure
Sample Properties
Module Type: DPS
ACME
Sample Loading 8%
DPS:
Spinner Speed: 30%
Lift Speed: 1%
Use Obscuration:
Min Vacuum (Torr): 3.7
Target Vacuum (Torr): 35.5
Max Vacuum (Torr): 65.5
Electronic Signatures:
Queue for Review
Post-Processing Options:
Auto Print
Method Information:
Batch#*: 22
Start Measurement
Current Measurement
Measurement Results - 12:53 PM
Solve Properties
Controls
Help
Automatic Pass/Fail Check settings found in Configure Statistics .
Measurement Data
Differential Volume (%)
0
3
6
9
0.02
0.04
0.06
0.1
0.2
0.4
0.6
1
2
4
6
10
20
40
60
100
200
400
600
1000
2000
4000
Size (µm)
Avg
CV (%)
Mean (µm) 15.36 15.36 0.0000
StDev (µm) 5.368 5.368 0.0000
Total (%) 100.0 100.0 0.0000
Type : Arithmetic
CONFIGURE STATISTICS
Automatic Pass/Fail Check
Device Status:
Lamp State
Vacuum State
Tx
Rx


LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Joe Dabbs
Method
Demo Test
Procedure
Sample Properties
Module Type: DPS
ACME
Sample Loading 8%
DPS:
Spinner Speed: 30%
Lift Speed: 1%
Use Obscuration:
Min Vacuum (Torr): 3.7
Target Vacuum (Torr): 35.5
Max Vacuum (Torr): 65.5
Electronic Signatures:
Queue for Review
Post-Processing Options:
Auto Print
Method Information:
Showing users how to connect ADAPT software to a Demo Module so they can generate fake data.
Group ID*: 001
Sample ID*: ABC
Batch#*: 22
Start Measurement
Configure Method Statistics
Run-to-Run Average
Run-to-Run C
Parameter Name | Is Active | Pass/Fail Enabled | Min Value | Max Value | Min Value | Max Value | Min Value | Max
CV (%) 0 100 0 100 0
D10 (µm) 8.5 4000 0.01 4000 0
D50 (µm) 0.01 13 0.01 4000 0
D90 (µm) 0.01 4000 0.01 4000 0
Kurtosis -10 10 -10 10 0
Mean (µm) 0.01 4000 0.01 4000 0
Median (µm) 0.01 4000 0.01 4000 0
Mode (µm) 0.01 4000 0.01 4000 0
Phi-Kurtosis -10 10 -10 10 0
Phi-Mean -5 16 -5 16 0
Phi-Median -5 16 -5 16 0
Phi-Skewness -10 10 -10 10 0
Phi-StDev -5 16 -5 16 0
R-R Dm (µm) 0.01 4000 0.01 4000 0
R-R n 0.01 4000 0.01 4000 0
Skewness -10 10 -10 10 0
SpecificSurfaceArea (cm²/ml) 0.01 4000 0.01 4000 0
StDev (µm) 0.01 4000 0.01 4000 0
Total (%) 0 4000 0 4000 0
Variance (µm²) 0.01 4000 0.01 4000 0
Check parameter(s) of interest, check Pass/Fail Enabled, Input desired Min Values and Max Values.
Arithmetic
Geometric
Add Custom
Delete Custom
Close
Type : Arithmetic
Save Stats with Method
CONFIGURE STATISTICS
Device Status:
Lamp State
Vacuum State
Tx
Rx


LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready > DPS
Measurement
Samples
Methods
Options
Approvals
1
Audit
Users
Diagnostics
Joe Dabbs
Current Method
Method
Demo Test
Procedure
Sample Properties
Module Type: DPS
ACME
Sample Loading 8%
DPS:
Spinner Speed: 30%
Lift Speed: 1%
Use Obscuration:
Min Vacuum (Torr): 3.7
Target Vacuum (Torr): 35.5
Max Vacuum (Torr): 65.5
Electronic Signatures:
Queue for Review
Post-Processing Options:
Auto Print
Method Information:
Showing users how to connect ADAPT software to a Demo Module so they can generate fake data.
Group ID*: 001
Sample ID*: ABC
Batch#*: 22
Start Measurement
Current Measurement
Measurement Results - 12:53 PM
Solve Properties
Controls
Help
Measurement Data
Differential Volume (%)
0
3
6
9
0.02
0.04
0.06
0.1
0.2
40
60
100
200
400
600
1000
2000
4000
Easily Save Configure Statistics with individual methods.
Sample Properties
1st Run
Demo Opt...
Avg
CV (%)
D10 (µm) 8.965 8.965 0.0000
D50 (µm) 14.68 14.68 0.0000
D90 (µm) 22.73 22.73 0.0000
Total (%) 100.0 100.0 0.0000
Type : Arithmetic
Save Stats with Method
CONFIGURE STATISTICS
Device Status:
Lamp State
Vacuum State
Tx
Rx


LS 13 320 XR
Beckman Coulter LS 13 320 XR
Connected and Ready
DPS
Measurement
Samples
Methods
Options
Approvals
1
Audit
Users
Diagnostics
Joe Dabbs
Sample Results
Fields to Search
Start Date:
Select a date
End Date:
Select a date
001ABC
Demo Test
Joe Dabbs on 9/21/2018 12:58:45 PM
Runs
001ABC
Demo Test
Joe Dabbs on 9/21/2018 12:53:59 PM
Runs
Import Sample Data
Open From File...
Current Measurement
Results - 1:04 PM
Solve Properties
Controls
Help
Overlay External Data
Activate Navigation Wheel, click on **Overlay Data.**
Set Logo
Overlay Data
Export
Report
Graph
Differential Volume (%)
Size (µm)
How to Overlay Existing Data
Avg
CV (%)
Mean (µm) 15.31 15.31 0.0000
StDev (µm) 5.091 5.091 0.0000
Total (%) 100.0 100.0 0.0000
Type : Arithmetic
CONFIGURE STATISTICS
Device Status:
Lamp State
Vacuum State
Tx
Rx


Open
Legacy Malvern LS XR Files ▸ LS 13320 XR files
Search LS 13320 XR files
Organize
New folder
Favorites
Desktop
Downloads
OR
OPS
OneDrive - Danah
PODS+
8011+
LS 13320 XR (2)
Recent Places
9703+
Dabbs Monthly M
My Expenses
Name
Date modified
Type
22nm Run.tsv 1/11/2018 3:44 PM TSV File
Cement simulation using Garnet Cleaner.t... 1/24/2018 8:53 AM TSV File
Emulsion simulation usign Liquid Coffee ... 1/5/2018 8:33 AM TSV File
Pharma-API simulation using Dry Coffee ... 1/5/2018 11:12 AM TSV File
Trimodal after GSM 2018 Pilot 2.tsv 1/24/2018 8:54 AM TSV File
File name: Pharma-API simulation using Dry Coffee Creamer.
TSV Files (*.tsv)
Open
Cancel
320 XR
Joe Dabbs
Controls
Help
Select one or multiple files (ctrl +click).
Operator may need to select file type
0
0.02
0.04
0.06
0.1
0.2
0.4
0.6
1
2
4
6
10
20
40
60
100
200
400
600
1000
2000
4000
Size (µm)
Import Sample Data
Open From File...
1st Run
Avg
CV (%)
Sample Properties
Demo Opt...
Mean (µm) 15.31 15.31 0.0000
StDev (µm) 5.091 5.091 0.0000
Total (%) 100.0 100.0 0.0000
Type : Arithmetic
CONFIGURE STATISTICS
Device Status:
Lamp State
Vacuum State
Tx
Rx



How to Create Report

Sample Results

Fields to Search

Start Date: Select a date **End Date:** Select a date

001ABC
Demo Test
Joe Dabbs on 9/21/2018 12:58:45 PM
Runs

001ABC
Demo Test
Joe Dabbs on 9/21/2018 12:53:59 PM
Runs

Import Sample Data

Open From File...

Current Measurement | Results - 1:04 PM | Report

Measurement Results Overlay

Sample Information

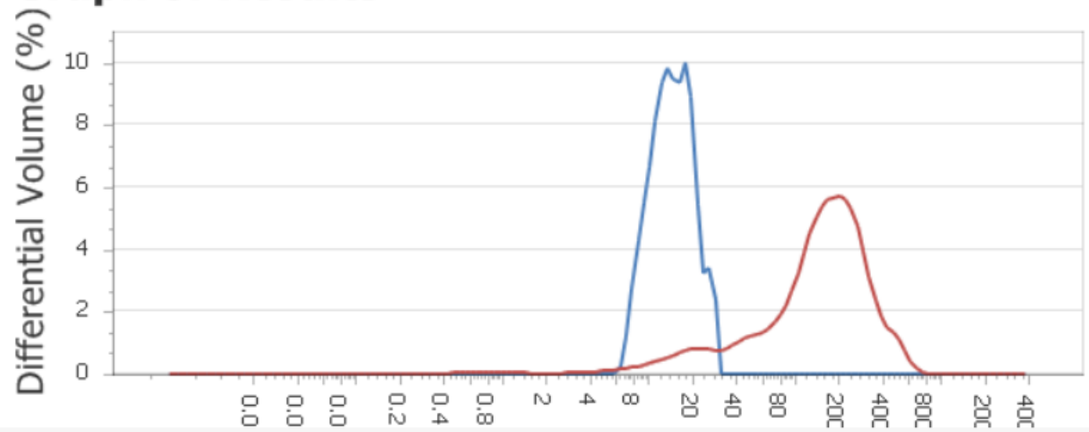
Date/Time: 9/21/2018 12:58:45 PM
Device: 12345678
User: Joe Dabbs
Module: Dry Powder System

Method: Demo Test
Material: Graphite
Sample Properties: Demo Optical Model
Carrier Fluid: Air

Sample ID: ABC
Batch#: 22
Group ID: 001

***** Import 1 - Sample data import from file: Pharma-API simulation using Dry Coffee Creamertsv *****

Graph of Results



Controls | Help