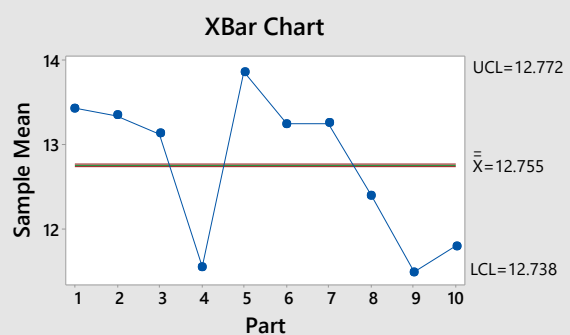
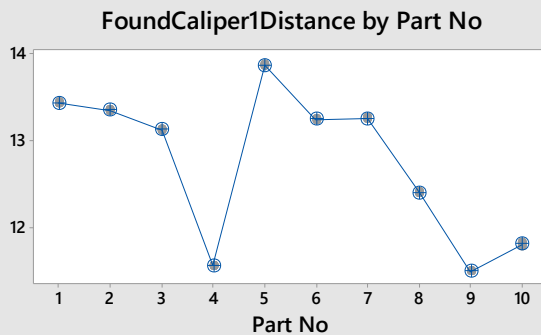
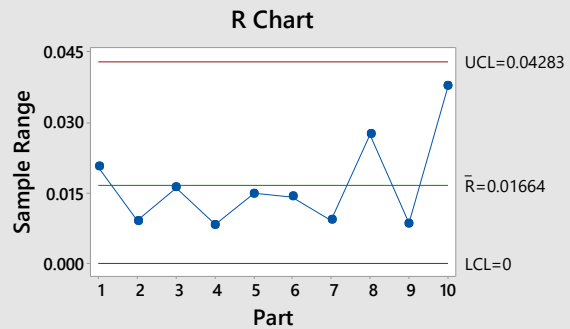
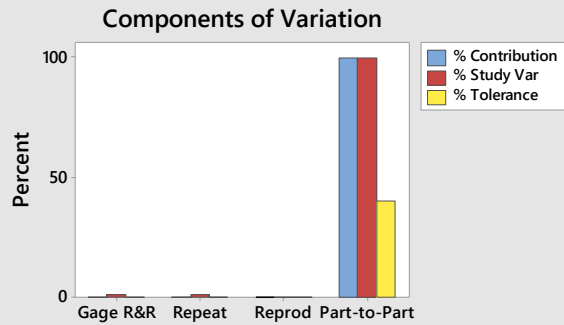


## Gage R&R (ANOVA) Report for FoundCaliper1Distance

Gage name: E-Locker  
Date of study: 06/23/2022

Reported by: AIS Technologies Group  
Tolerance: 13  
Misc:



## Gage R&R Study - ANOVA Method

**\* NOTE \*** There are no operator values, or they are all the same. The operator factor will be omitted from the analysis.

### Gage R&R for FoundCaliper1Distance

Gage name: E-Locker  
Date of study: 06/23/2022  
Reported by: AIS Technologies Group  
Tolerance: 13  
Misc:

### One-Way ANOVA Table

Source	DF	SS	MS	F	P
Part No	9	20.3006	2.25563	23557.8	0.000
Repeatability	20	0.0019	0.00010		
Total	29	20.3025			

$\alpha$  to remove interaction term = 0.05

## Gage R&R

### Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0.000096	0.01
Repeatability	0.000096	0.01
Part-To-Part	0.751843	99.99
Total Variation	0.751939	100.00

Process tolerance = 13

### Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)	%Tolerance (SV/Toler)
Total Gage R&R	0.009785	0.05871	1.13	0.45
Repeatability	0.009785	0.05871	1.13	0.45
Part-To-Part	0.867089	5.20253	99.99	40.02
Total Variation	0.867144	5.20286	100.00	40.02

Number of Distinct Categories = 124

## Probabilities of Misclassification

### Joint Probability

Description	Probability
A randomly selected part is bad but accepted	0.000
A randomly selected part is good but rejected	0.000

### Conditional Probability

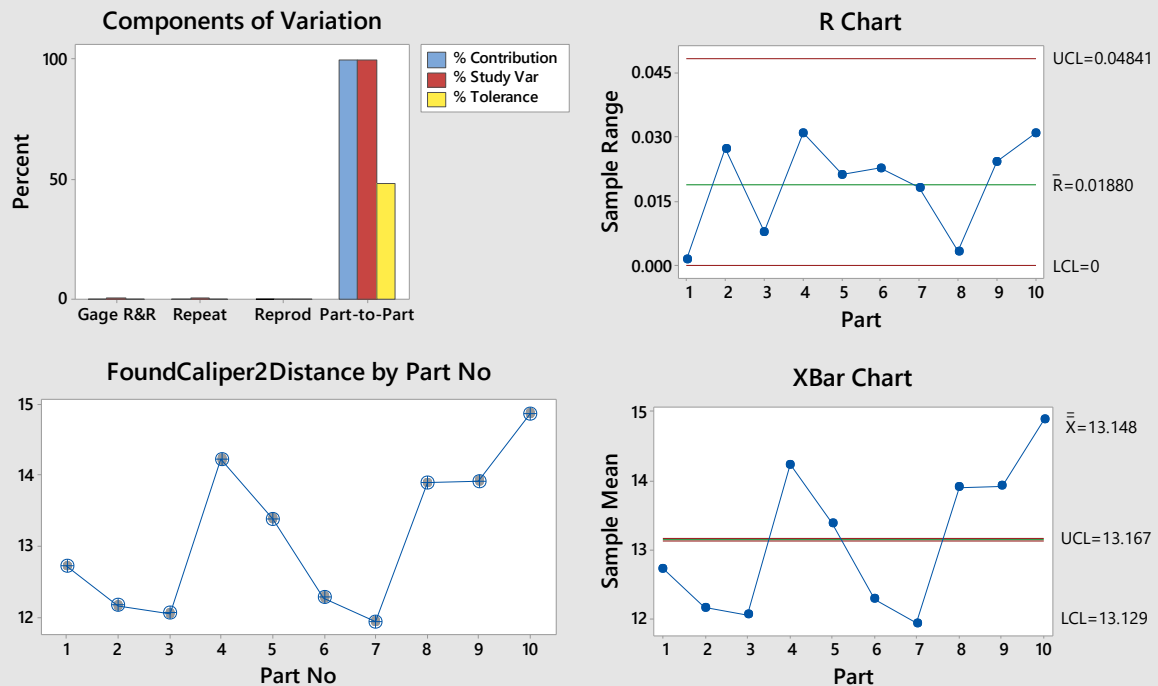
Description	Probability
A part from a group of bad products is accepted	0.027
A part from a group of good products is rejected	0.000

### Gage R&R for FoundCaliper1Distance

## Gage R&R (ANOVA) Report for FoundCaliper2Distance

Gage name: E-Locker  
Date of study: 06/23/2022

Reported by: AIS Technologies Group  
Tolerance: 13  
Misc:



## Gage R&R Study - ANOVA Method

**\* NOTE \*** There are no operator values, or they are all the same. The operator factor will be omitted from the analysis.

### Gage R&R for FoundCaliper2Distance

Gage name: E-Locker  
Date of study: 06/23/2022  
Reported by: AIS Technologies Group  
Tolerance: 13  
Misc:

### One-Way ANOVA Table

Source	DF	SS	MS	F	P
Part No	9	29.9313	3.32570	26702.7	0.000
Repeatability	20	0.0025	0.00012		
Total	29	29.9338			

$\alpha$  to remove interaction term = 0.05

## Gage R&R

### Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0.00012	0.01
Repeatability	0.00012	0.01
Part-To-Part	1.10853	99.99
Total Variation	1.10865	100.00

Process tolerance = 13

### Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)	%Tolerance (SV/Toler)
Total Gage R&R	0.01116	0.06696	1.06	0.52
Repeatability	0.01116	0.06696	1.06	0.52
Part-To-Part	1.05287	6.31719	99.99	48.59
Total Variation	1.05292	6.31755	100.00	48.60

Number of Distinct Categories = 133

## Probabilities of Misclassification

### Joint Probability

Description	Probability
A randomly selected part is bad but accepted	0.000
A randomly selected part is good but rejected	0.000

### Conditional Probability

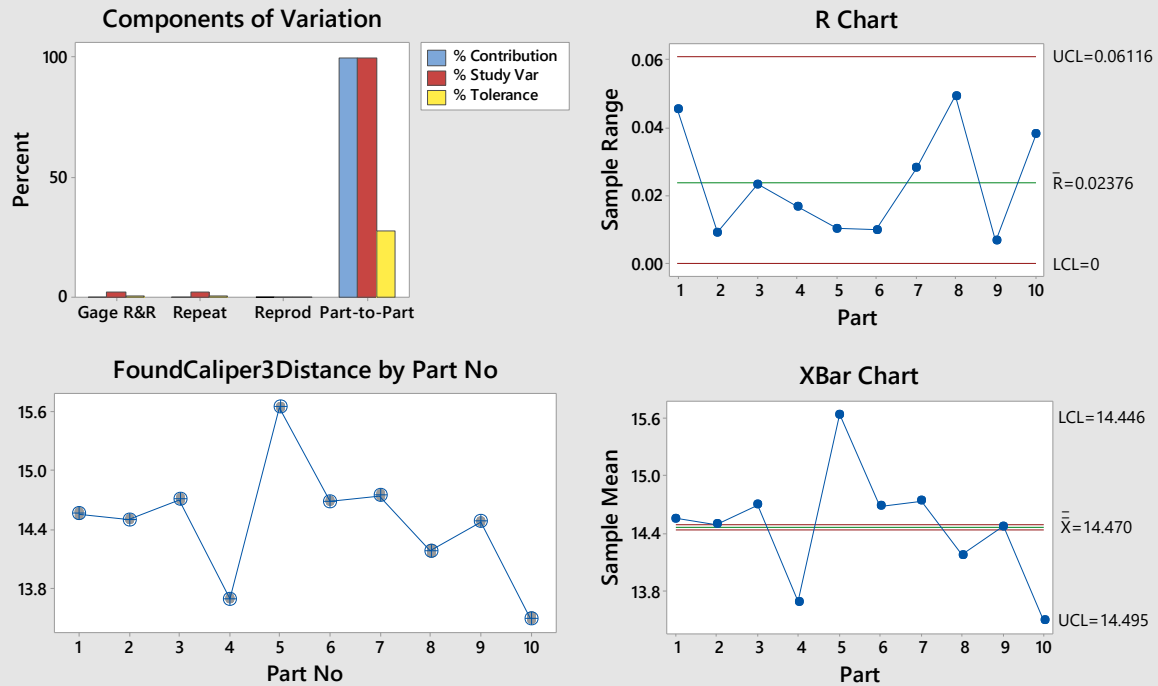
Description	Probability
A part from a group of bad products is accepted	0.020
A part from a group of good products is rejected	0.000

## Gage R&R for FoundCaliper2Distance

## Gage R&R (ANOVA) Report for FoundCaliper3Distance

Gage name: E-Locker  
Date of study: 06/23/2022

Reported by: AIS Technologies Group  
Tolerance: 13  
Misc:



## Gage R&R Study - ANOVA Method

**\* NOTE \*** There are no operator values, or they are all the same. The operator factor will be omitted from the analysis.

### Gage R&R for FoundCaliper3Distance

Gage name: E-Locker  
Date of study: 06/23/2022  
Reported by: AIS Technologies Group  
Tolerance: 13  
Misc:

### One-Way ANOVA Table

Source	DF	SS	MS	F	P
Part No	9	9.65350	1.07261	5109.33	0.000
Repeatability	20	0.00420	0.00021		
Total	29	9.65769			

$\alpha$  to remove interaction term = 0.05

## Gage R&R

### Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0.000210	0.06
Repeatability	0.000210	0.06
Part-To-Part	0.357467	99.94
Total Variation	0.357677	100.00

Process tolerance = 13

### Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)	%Tolerance (SV/Toler)
Total Gage R&R	0.014489	0.08693	2.42	0.67
Repeatability	0.014489	0.08693	2.42	0.67
Part-To-Part	0.597885	3.58731	99.97	27.59
Total Variation	0.598061	3.58837	100.00	27.60

Number of Distinct Categories = 58

## Probabilities of Misclassification

### Joint Probability

Description	Probability
A randomly selected part is bad but accepted	0.000
A randomly selected part is good but rejected	0.000

### Conditional Probability

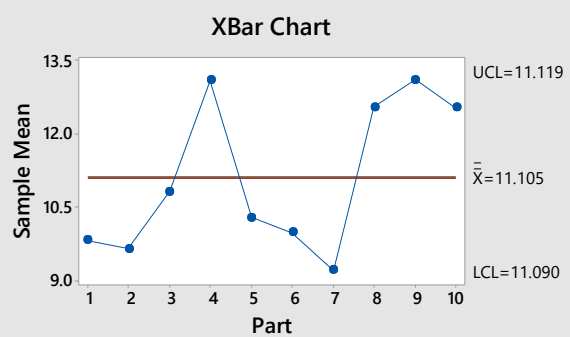
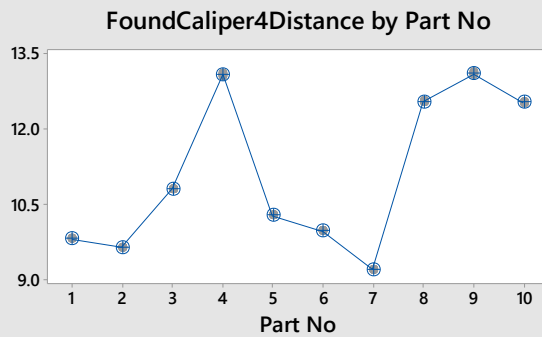
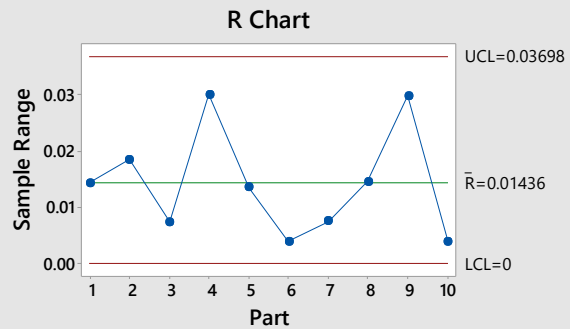
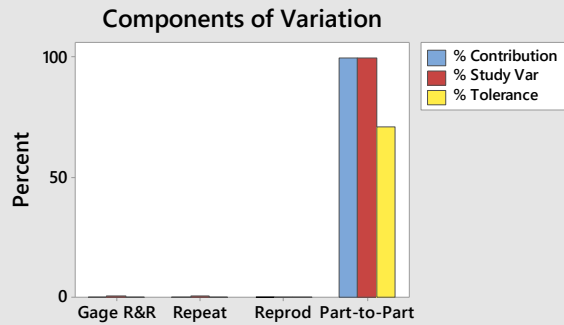
Description	Probability
A part from a group of bad products is accepted	0.054
A part from a group of good products is rejected	0.000

## Gage R&R for FoundCaliper3Distance

## Gage R&R (ANOVA) Report for FoundCaliper4Distance

Gage name: E-Locker  
Date of study: 06/23/2022

Reported by: AIS Technologies Group  
Tolerance: 13  
Misc:



## Gage R&R Study - ANOVA Method

**\* NOTE \* There are no operator values, or they are all the same. The operator factor will be omitted from the analysis.**

### Gage R&R for FoundCaliper4Distance

Gage name: E-Locker  
Date of study: 06/23/2022  
Reported by: AIS Technologies Group  
Tolerance: 13  
Misc:

### One-Way ANOVA Table

Source	DF	SS	MS	F	P
Part No	9	64.4112	7.15680	95108.5	0.000
Repeatability	20	0.0015	0.00008		
Total	29	64.4127			

$\alpha$  to remove interaction term = 0.05

## Gage R&R

### Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0.00008	0.00
Repeatability	0.00008	0.00
Part-To-Part	2.38558	100.00
Total Variation	2.38565	100.00

Process tolerance = 13

### Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)	%Tolerance (SV/Toler)
Total Gage R&R	0.00867	0.05205	0.56	0.40
Repeatability	0.00867	0.05205	0.56	0.40
Part-To-Part	1.54453	9.26719	100.00	71.29
Total Variation	1.54456	9.26733	100.00	71.29

Number of Distinct Categories = 251

### Probabilities of Misclassification

#### Joint Probability

Description	Probability
A randomly selected part is bad but accepted	0.000
A randomly selected part is good but rejected	0.000

#### Conditional Probability

Description	Probability
A part from a group of bad products is accepted	0.009
A part from a group of good products is rejected	0.000

### Gage R&R for FoundCaliper4Distance