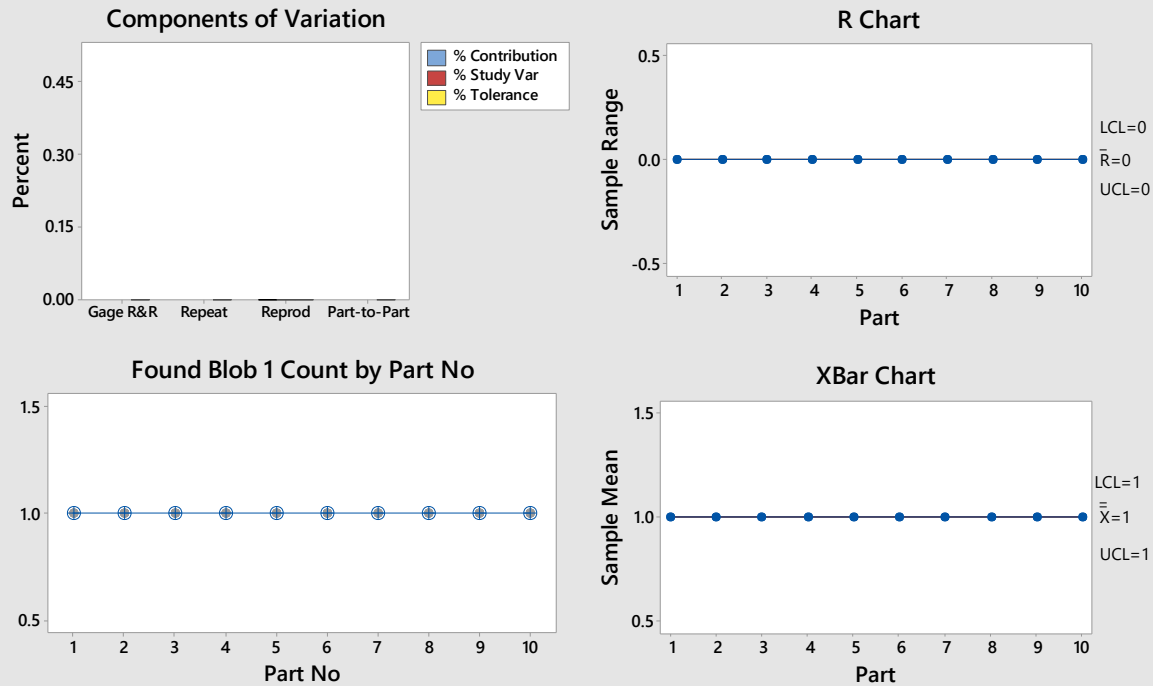


Gage R&R (ANOVA) Report for Found Blob 1 Count

Gage name: Staking
Date of study: 06/24/2022

Reported by: AIS Technologies Group
Tolerance:
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 Found Blob 1 Count

Gage name: Staking
Date of study: 06/24/2022
Reported by: AIS Technologies Group
Tolerance:
Misc:

One-Way ANOVA Table

Source	DF	SS	MS	F	P
Part No	9	0	0	*	*
Repeatability	20	0	0		
Total	29	0			

α to remove interaction term = 0.05

Gage R&R

Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0	*
Repeatability	0	*
Part-To-Part	0	*
Total Variation	0	*

Lower process tolerance limit = 0

Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)	%Tolerance (SV/Toler)
Total Gage R&R	0	0	*	0.00
Repeatability	0	0	*	0.00
Part-To-Part	0	0	*	0.00
Total Variation	0	0	*	0.00

Number of Distinct Categories = *

Probabilities of Misclassification

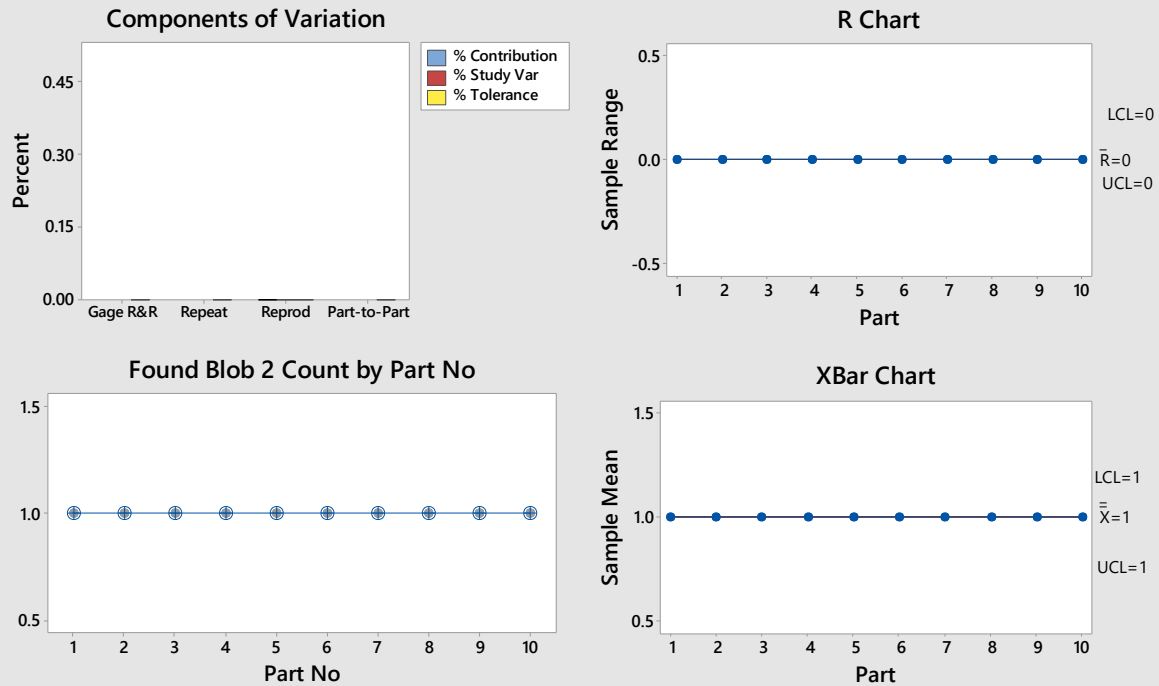
*** WARNING * Degenerate bivariate detected: The variance-covariance matrix has determinant = 0. Unable to proceed.**

Gage R&R for Found Blob 1 Count

Gage R&R (ANOVA) Report for Found Blob 2 Count

Gage name: Staking
Date of study: 06/24/2022

Reported by: AIS Technologies Group
Tolerance:
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 Found Blob 2 Count

Gage name: Staking
Date of study: 06/24/2022
Reported by: AIS Technologies Group
Tolerance:
Misc:

One-Way ANOVA Table

Source	DF	SS	MS	F	P
Part No	9	0	0	*	*
Repeatability	20	0	0		
Total	29	0			

α to remove interaction term = 0.05

Gage R&R

Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0	*
Repeatability	0	*
Part-To-Part	0	*
Total Variation	0	*

Lower process tolerance limit = 0

Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)	%Tolerance (SV/Toler)
Total Gage R&R	0	0	*	0.00
Repeatability	0	0	*	0.00
Part-To-Part	0	0	*	0.00
Total Variation	0	0	*	0.00

Number of Distinct Categories = *

Probabilities of Misclassification

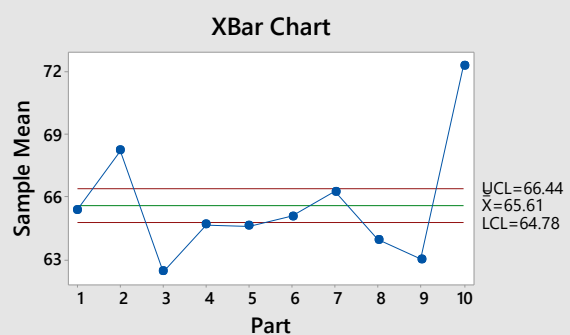
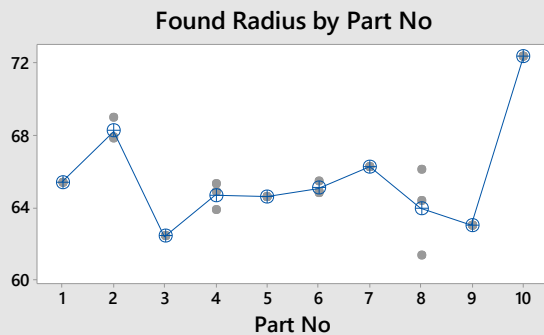
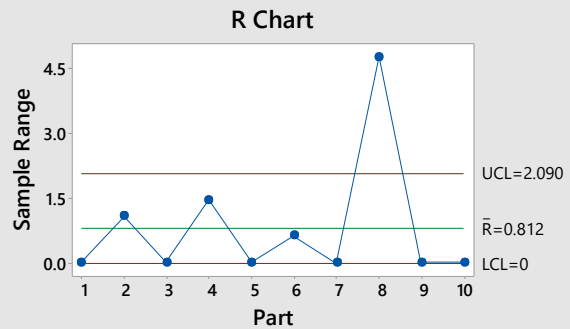
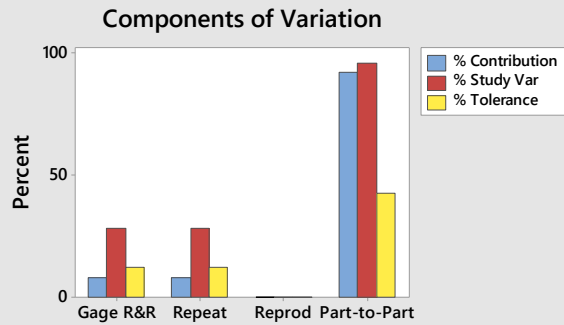
*** WARNING * Degenerate bivariate detected: The variance-covariance matrix has determinant = 0. Unable to proceed.**

Gage R&R for Found Blob 2 Count

Gage R&R (ANOVA) Report for Found Radius

Gage name: Staking
Date of study: 06/24/2022

Reported by: AIS Technologies Group
Tolerance:
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 Found Radius

Gage name: Staking
Date of study: 06/24/2022
Reported by: AIS Technologies Group
Tolerance:
Misc:

One-Way ANOVA Table

Source	DF	SS	MS	F	P
Part No	9	223.786	24.8651	35.6458	0.000
Repeatability	20	13.951	0.6976		
Total	29	237.737			

α to remove interaction term = 0.05

Gage R&R

Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0.69756	7.97
Repeatability	0.69756	7.97
Part-To-Part	8.05585	92.03
Total Variation	8.75341	100.00

Process tolerance = 40

Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)	%Tolerance (SV/Toler)
Total Gage R&R	0.83520	5.0112	28.23	12.53
Repeatability	0.83520	5.0112	28.23	12.53
Part-To-Part	2.83828	17.0297	95.93	42.57
Total Variation	2.95862	17.7517	100.00	44.38

Number of Distinct Categories = 4

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	0.301
A part from a group of good products is rejected	0.000

Gage R&R for Found Radius