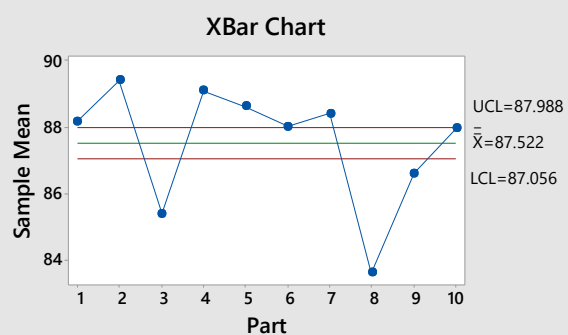
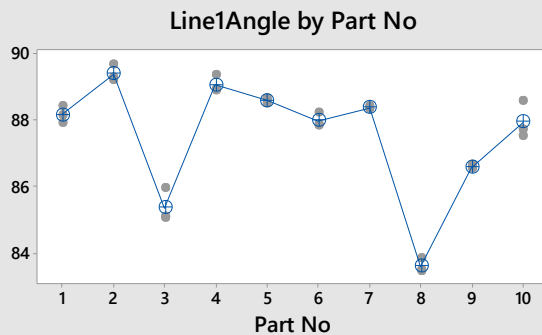
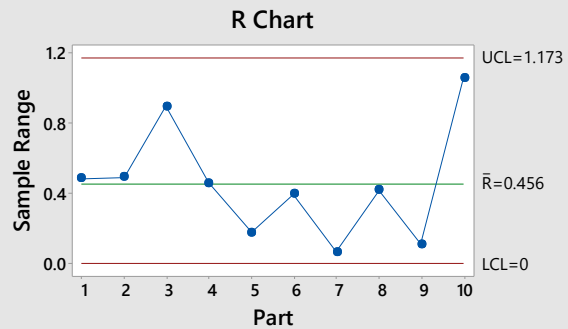
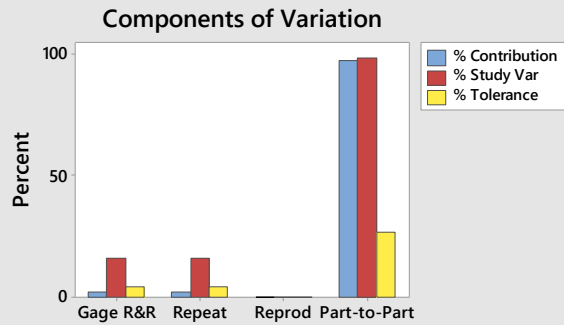


## Gage R&R (ANOVA) Report for Line1Angle

Gage name: Wedge  
Date of study: 06/23/2022

Reported by: AIS Technologies Group  
Tolerance: 70-110  
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 Line1Angle

Gage name: Wedge  
Date of study: 06/23/2022  
Reported by: AIS Technologies Group  
Tolerance: 70-110  
Misc:

### One-Way ANOVA Table

Source	DF	SS	MS	F	P
Part No	9	88.7153	9.85726	113.224	0.000
Repeatability	20	1.7412	0.08706		
Total	29	90.4565			

$\alpha$  to remove interaction term = 0.05

## Gage R&R

### Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0.08706	2.60
Repeatability	0.08706	2.60
Part-To-Part	3.25673	97.40
Total Variation	3.34379	100.00

Process tolerance = 40

### Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)	%Tolerance (SV/Toler)
Total Gage R&R	0.29506	1.7704	16.14	4.43
Repeatability	0.29506	1.7704	16.14	4.43
Part-To-Part	1.80464	10.8279	98.69	27.07
Total Variation	1.82860	10.9716	100.00	27.43

Number of Distinct Categories = 8

### 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	*
A part from a group of good products is rejected	0.000

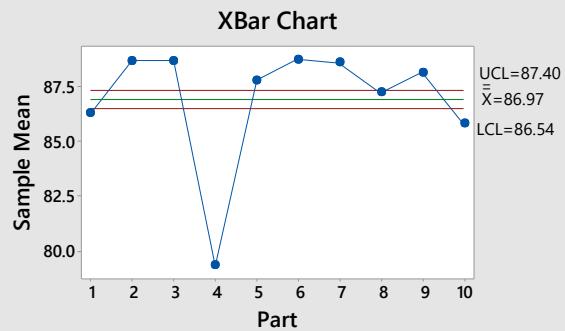
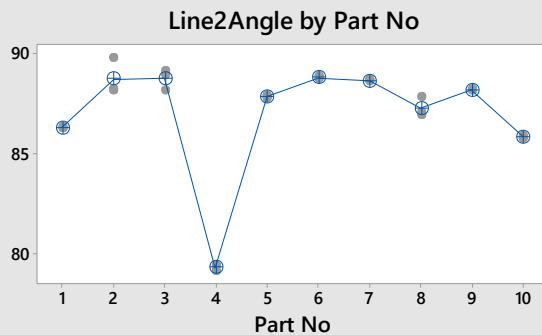
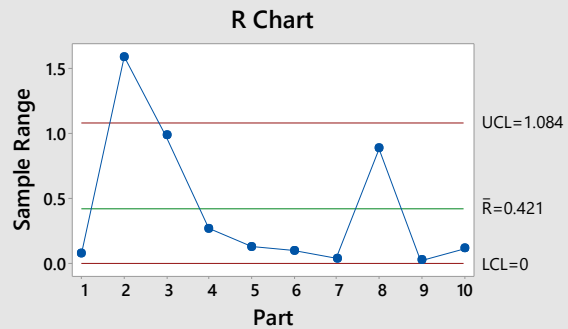
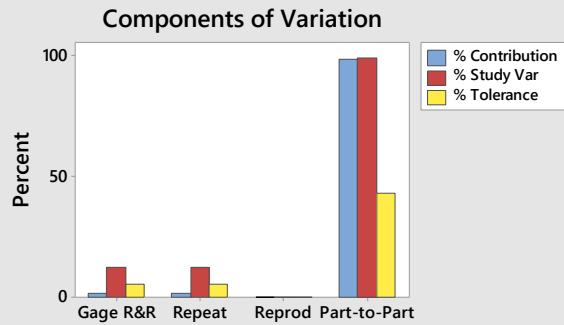
Probability of part within spec limits = 1.

### Gage R&R for Line1Angle

## Gage R&R (ANOVA) Report for Line2Angle

Gage name: Wedge  
Date of study: 06/23/2022

Reported by: AIS Technologies Group  
Tolerance: 70-110  
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 Line2Angle

Gage name: Wedge  
Date of study: 06/23/2022  
Reported by: AIS Technologies Group  
Tolerance: 70-110  
Misc:

### One-Way ANOVA Table

Source	DF	SS	MS	F	P
Part No	9	225.335	25.0372	182.780	0.000
Repeatability	20	2.740	0.1370		
Total	29	228.074			

$\alpha$  to remove interaction term = 0.05

## Gage R&R

### Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0.13698	1.62
Repeatability	0.13698	1.62
Part-To-Part	8.30006	98.38
Total Variation	8.43704	100.00

Process tolerance = 40

### Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)	%Tolerance (SV/Toler)
Total Gage R&R	0.37011	2.2206	12.74	5.55
Repeatability	0.37011	2.2206	12.74	5.55
Part-To-Part	2.88098	17.2859	99.18	43.21
Total Variation	2.90466	17.4280	100.00	43.57

Number of Distinct Categories = 10

### 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	0.206
A part from a group of good products is rejected	0.000

### Gage R&R for Line2Angle