

DATA

Gage R&R Study - ANOVA Method

Two-Way ANOVA Table With Interaction

Source	DF	SS	MS	F	P
Part	9	2801.21	311.246	626.032	0.000
OP	2	0.29	0.147	0.296	0.747
Part * OP	18	8.95	0.497	2.511	0.004
Repeatability	60	11.88	0.198		
Total	89	2822.34			

α to remove interaction term = 0.05

Gage R&R

Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0.2977	0.85
Repeatability	0.1980	0.57
Reproducibility	0.0997	0.29
OP	0.0000	0.00
OP*Part	0.0997	0.29
Part-To-Part	34.5276	99.15
Total Variation	34.8253	100.00

Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)
Total Gage R&R	0.54565	3.2739	9.25
Repeatability	0.44499	2.6699	7.54
Reproducibility	0.31578	1.8947	5.35
OP	0.00000	0.0000	0.00
OP*Part	0.31578	1.8947	5.35
Part-To-Part	5.87602	35.2561	99.57
Total Variation	5.90130	35.4078	100.00

Number of Distinct Categories = 15

Gage R&R (ANOVA) Report for Data

Gage name:
Date of study:

Reported by:
Tolerance:
Misc:

