R&R Report

Method

Parts:	10	Operators:	3	
Replicates:	2	Total runs:	60	

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Summary

Original Value	Recoded Value	Number of Rows
1.1	1	10
1.2	1	10
2.1	2	10
2.2	2	10
3.1	3	10
3.2	3	10

Recoded data column   Operator

Variance Components

Source	VarComp	%Contribution (of VarComp)
Total Gage R&R	0.0014850	5.16
Repeatability	0.0006758	2.35
Reproducibility	0.0008092	2.81
Part-To-Part	0.0272724	94.84
Total Variation	0.0287574	100.00

Gage Evaluation

Source	StdDev (SD)	Study Var (6 × SD)	%Study Var (%SV)
Total Gage R&R	0.038535	0.23121	22.72
Repeatability	0.025996	0.15598	15.33
Reproducibility	0.028446	0.17068	16.77
Part-To-Part	0.165144	0.99086	97.38
Total Variation	0.169580	1.01748	100.00

Gage R&R (Xbar/R) Report for Measurment

Gage name:
Date of study:

Reported by:
Tolerance:
Misc:

Components of Variation

Percent

- % Contribution
- % Study Var

Gage R&R | Repeat | Reprod | Part-to-Part

Measurment by Part Nr

Part Nr: 1 2 3 4 5 6 7 8 9 10

R Chart by Operator

Sample Range

UCL=0.0958
R̄=0.0293
LCL=0

Part Nr

Measurment by Operator

Operator: 1 2 3

Xbar Chart by Operator

Sample Mean

UCL=0.8658
X̄=0.8107
LCL=0.7555

Part Nr

Part Nr * Operator Interaction

Average

Operator
1
2
3

Part Nr: 1 2 3 4 5 6 7 8 9 10