

Almen Gage Study Conducted by The Shot Peener

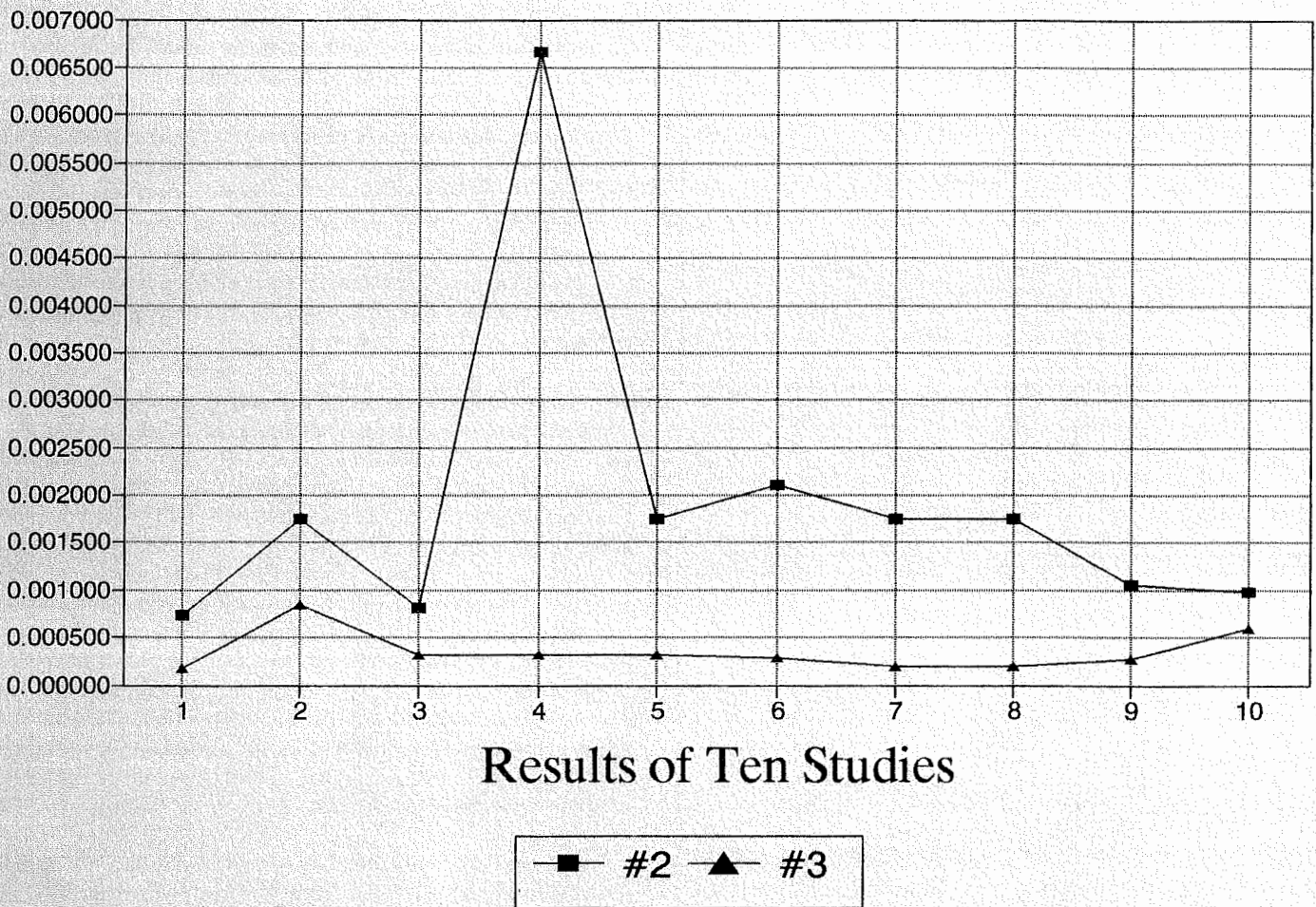
An Almen Gage Study was conducted by The Shot Peener to evaluate the performance of its new Almen Gage #3. Not surprisingly, there was a significant reduction in variation in repeatability and reproducibility when the new type gage was used.

Factors cited by the participants included use of end stops for accurate strip placement, and the unique (patent applied for) magnetic attraction that holds the strip firmly in place during measurement. It was interesting to see that several novices had extremely low variation in readings. This suggests that both existing and new employees can be expected to be quickly trained using the new #3 Gage.

In the study, 10 Almen #2 Gages were evaluated and compared to the #3 Almen Gage performance. Most trials show a large reduction in variation and most of the #3 Gage performance would qualify for a 10% rating, or better, in the .002 tolerance range.

If you wish to perform your own Almen gage study use the data collection sheet on the next page. FAX your data to THE SHOT PEENER and we will calculate the variations and fax it back to you. Be sure to include your name and return FAX number.

Almen #2 and Almen #3 Gage Comparison



Almen Gage Study

Data for Present Gage NOTE: Estimate to nearest .0005" for dial indicator type gages

Operator Sample #	A->			B->			C->			
	1	2	3	1	2	3	1	2	3	
1			1				1			1
2			2				2			2
3			3				3			3
4			4				4			4
5			5				5			5
6			6				6			6
7			7				7			7
8			8				8			8
9			9				9			9
10			10				10			10