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Endoscopy

Report #:				
Title:		Testing Report		
Project Name:				
PPQA:				
Originator:	Jackson Zilles			
Revision:	C			
Date:	July 28, 2023			

Introductory Note: This report contains information from multiple tests performed on multiple days with varying products. For clarity, the newest results are highlighted.

Abstract: This	s report details the testing and	comparison of two poter	tial material choices for the
via us	e in two simulation		Overall,
proved to resist d	amage better than		
	Therefore,	is recommended for	further testing.
This report has b	een modified to include the re	sults of two more	
			Comparison
between the	in this report shows	consistently underperfo	ormed compared to
	resisted damage		is again recommended for
further testing.			
*This report has	been modified to include the r	esults of the previous	
	when us	ed with the	In this report, these
are reference	ced as . In	comparison with	used in the
		_	_

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1. PURPOSE

This report evaluates the testing and analysis of the

2. SCOPE

2.1.Product:

	Part Number	Rev.	Description
2.1.1			
2.1.2			
2.1.3			
2.1.4			

2.2.Components:

	Part Number	Rev.	Description
2.2.1			
			Stryker
2.2.2			
2.2.3			

3. PROCEDURE



4. RESULTS

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4.1.

See Appendix 7.1 for Raw Data Sheets.



4.1.1. Keyence Measurement Results

Table 1: Material

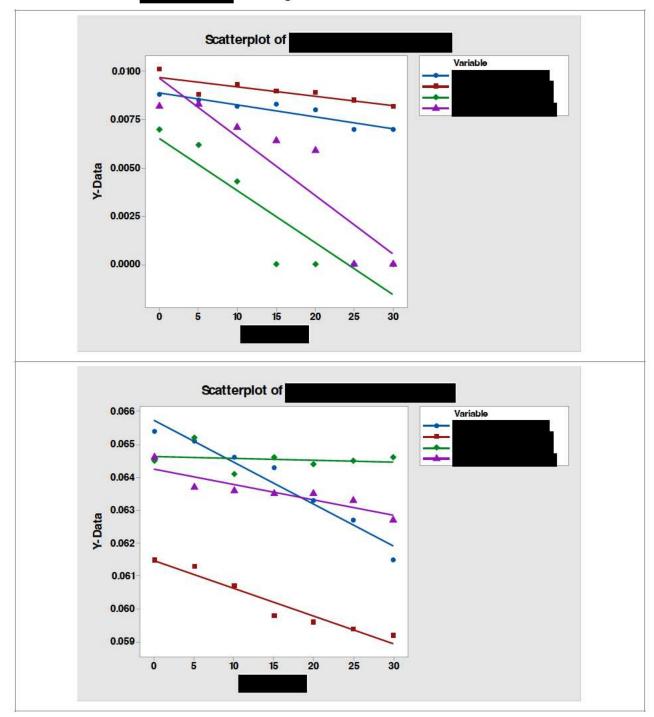
0	0.0088	0.0070	0.0654	0.0615	0.0590	0.0596	0.0234	0.0236
5	0.0085	0.0062	0.0651	0.0613	0.0610	0.0618	0.0213	0.0219
10	0.0082	0.0043	0.0646	0.0607	0.0592	0.0627	0.0233	0.0207
15	0.0083	0.0000	0.0643	0.0598	0.0612	0.0613	0.0215	0.0209
20	0.0080	0.0000	0.0633	0.0596	0.0607	0.0618	0.0228	0.0192
25	0.0070	0.0000	0.0627	0.0594	0.0604	0.0618	0.0233	0.0165
30	0.0070	0.0000	0.0615	0.0592	0.0596	0.0612	0.0236	0.0158
0	0.0101	0.0082	0.0645	0.0646	0.0669	0.0686	0.0085	0.0061
5	0.0088	0.0082	0.0652	0.0637	0.0674	0.0682	0.0070	0.0071
10	0.0093	0.0071	0.0641	0.0636	0.0669	0.0698	0.0085	0.0060
15	0.0090	0.0064	0.0646	0.0635	0.0673	0.0695	0.0078	0.0061
20	0.0089	0.0059	0.0644	0.0635	0.0680	0.0697	0.0075	0.0059
25	0.0085	0.0000	0.0645	0.0633	0.0686	0.0691	0.0069	0.0000
30	0.0082	0.0000	0.0646	0.0627	0.0686	0.0678	0.0061	0.0057
0	0.0099	0.0081	0.0658	0.0638	0.0555	0.0575	0.0292	0.0264
5	*	*	0.0656	0.0631	*	*	*	*
10	*	*	0.0652	0.0629	*	*	*	*

								_
15	*	0.0000	0.0648	0.0621	*	0.0640	*	0.0146
20	*		0.0646		*		*	
25	*		0.0641		*		*	
30	0.0081		0.0638		0.0575		0.0264	
0	0.0102	0.0083	0.0657	0.0645	0.0564	0.0579	0.0280	0.0252
5	*	*	0.0657	0.0642	*	*	*	*
10	*	*	0.0649	0.0637	*	*	*	*
15	*	0.0000	0.0647	0.0630	*	0.0655	*	0.0148
20	*		0.0644		*		*	
25	*		0.0645		*		*	
30	0.0083		0.0645		0.0579		0.0252	
			3		3		7	•
0	0.0091	0.0064	0.0656	0.0630	0.0571	0.0589	0.0268	0.0263
5	*	*	0.0646	0.0623	*	*	*	*
10	*	*	0.0648	0.0615	*	*	*	*
15	*	*	0.0637	0.0603	*	*	*	*
20	*	*	0.0639	0.0593	*	*	*	*
25	*	*	0.0632	0.0589	*	*	*	*
30	0.0064	0.0000	0.0630	0.0590	0.0589	0.0588	0.0263	0.0155
		4	Ŧ	4	7			
0	0.0088	0.0071	0.0659	0.0648	0.0557	0.0586	0.0293	0.0253
5	*	*	0.0652	0.0639	*	*	*	*
10	*	*	0.0647	0.0637	*	*	*	*
15	*	*	0.0648	0.0623	*	*	*	*
20	*	*	0.0647	0.0620	*	*	*	*
25	*	*	0.0648	0.0620	*	*	*	*
30	0.0071	0.0000	0.0648	0.0617	0.0586	0.0613	0.0253	0.0158

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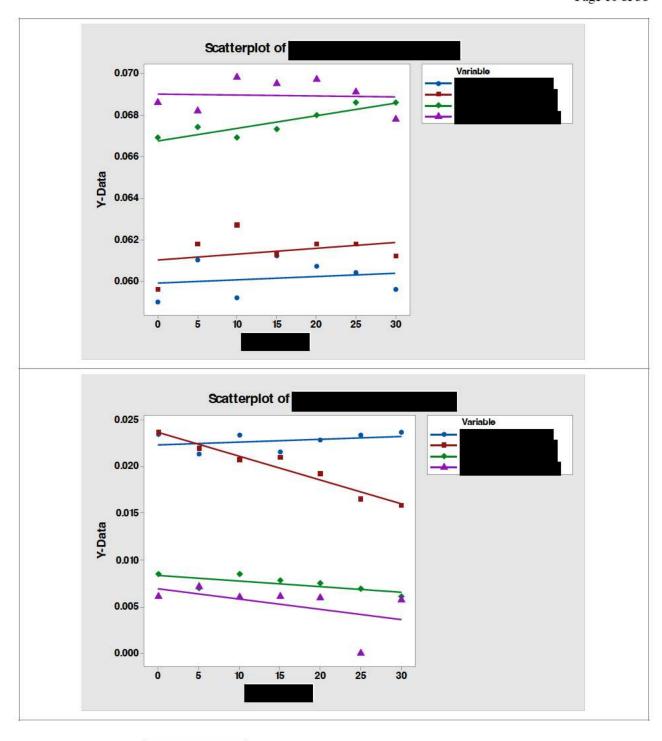
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4.1.2. Scatterplots



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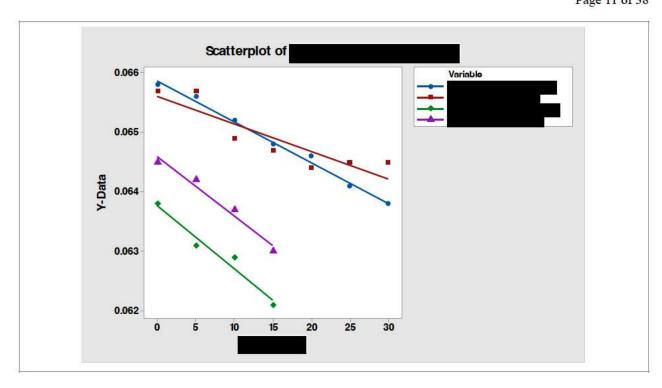
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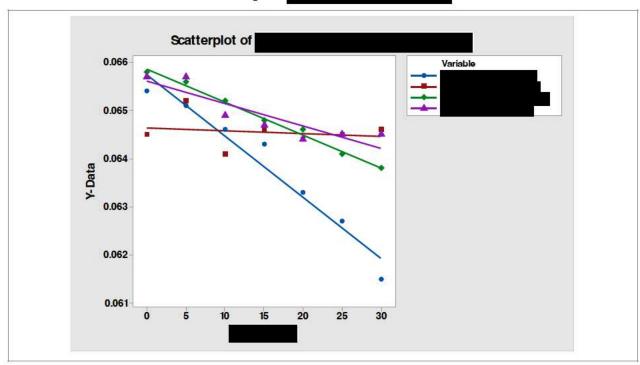
4.1.3. Scatterplots

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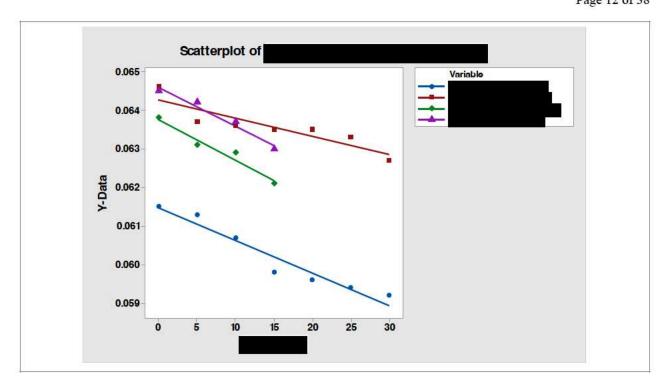
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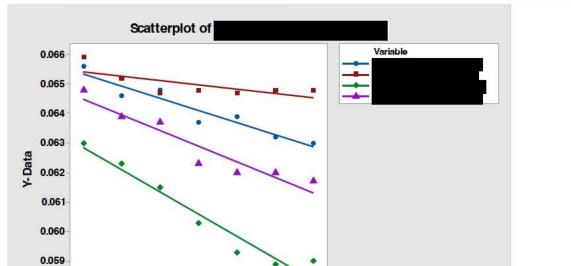


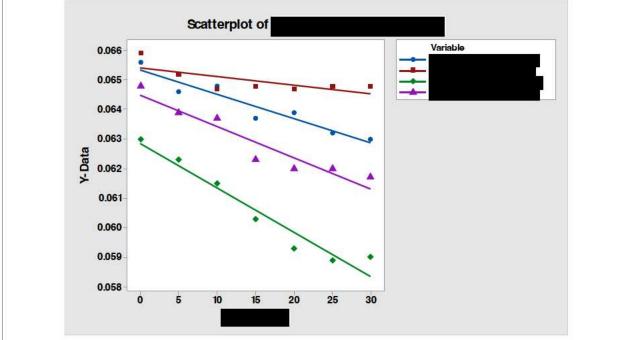
4.1.4. Combined Scatterplots



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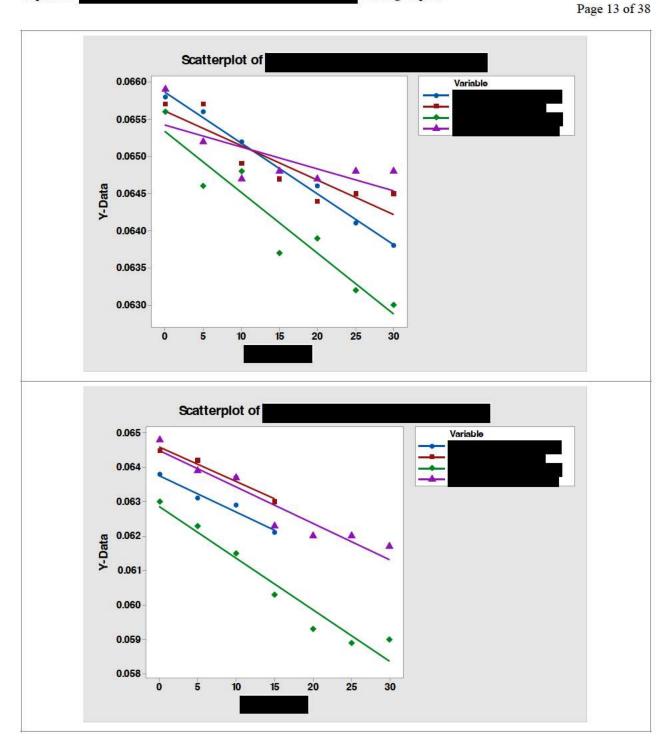


Scatterplots

4.1.5.

4.1.6.

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5. DISCUSSION OF RESULTS



