

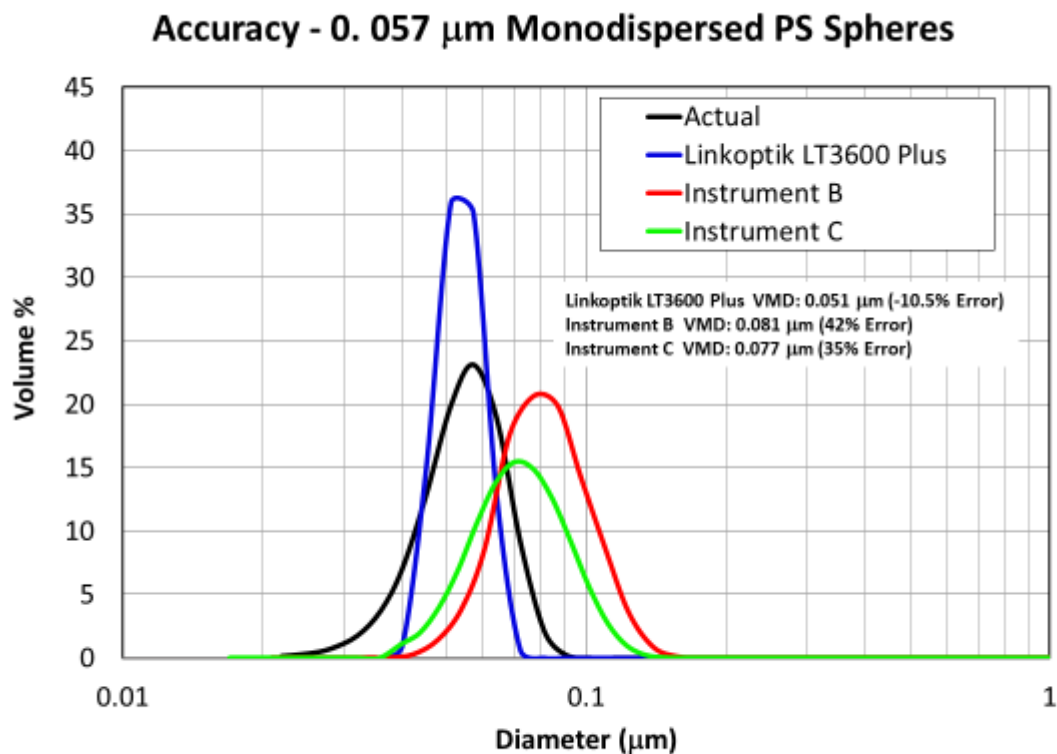


Critical Evaluation of Linkoptik LT3600 Plus Particle Size Analyzer System

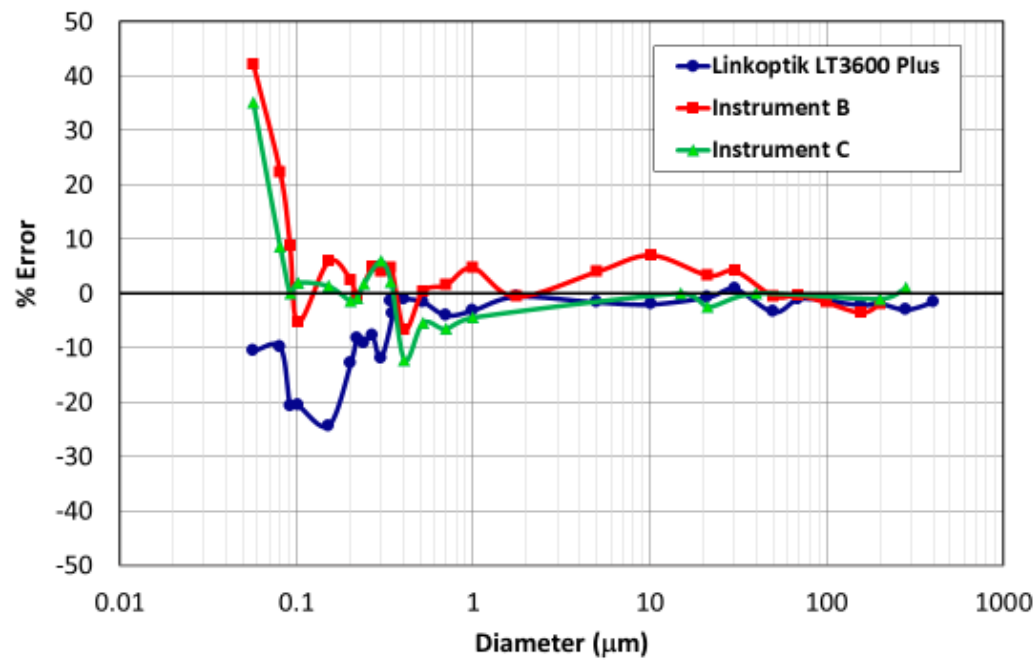
Linkoptik LT3600 Plus Particle Analyzer is designed with the latest patented innovations in order to favorably compete with the industry best offerings. This top-of-the-line new optical and software designs result in a significantly lower cost alternative, and in some cases, with better performance and better value. This Application Note will highlight some of our comparison test results between the LT3600 Plus and two other popular brands.

The data presented below will show the overall favorable comparison results regarding accuracy, resolution and blend analysis.

Section 1 – Accuracy of LT3600 Plus for a range of Duke Standards vs Competitors



Accuracy - Monodispersed Polymer Spheres



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Ranking for Accuracy Using Monodispersed PS Spheres

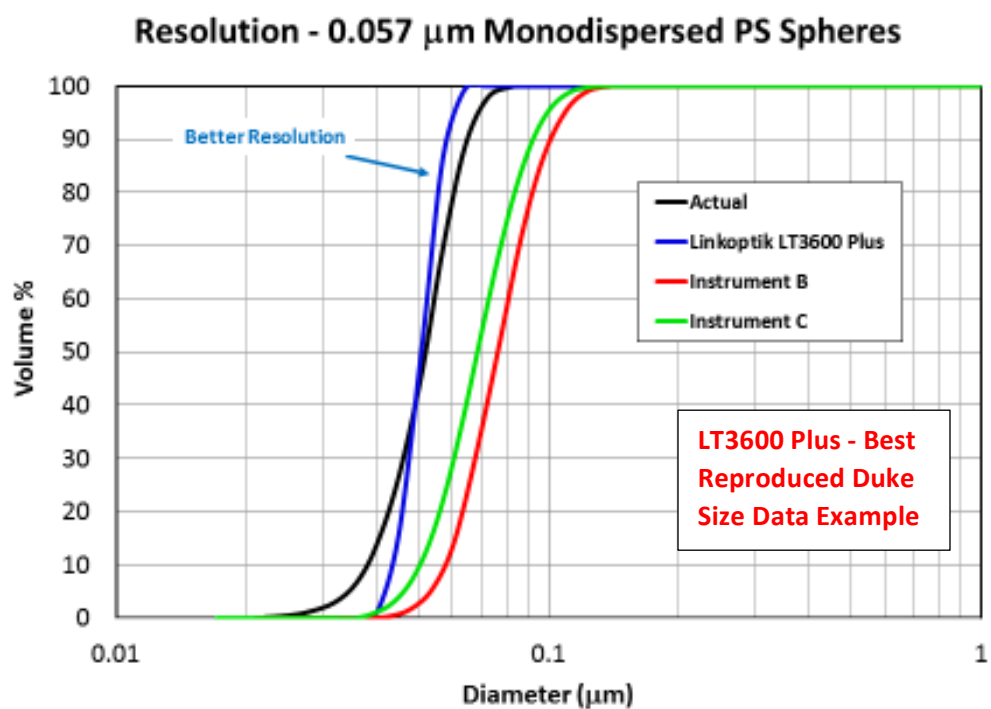
Size Range (μm)	Linkoptik LT3600 Plus	Instrument B	Instrument C
0.01 to 0.1	Average	Worst	Worst
0.1 to 1	Worst	Average	Average
1 to 10	Best	Average	Best
10 to 100	Best	Average	Best
100 to 1000	Best	Best	Best

Best
 Average
 Worst



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Section 2 – Resolution Ability of LT3600 Plus for a range of Duke Standards vs Competitors



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Ranking for Resolution – Single Peak

Linkoptik LT3600 Plus	Instrument B	Instrument C
Best	Worst	Worst

Best
Average
Worst

LT3600 Plus - Superior Performance for a Range of Single Peaks Measurements



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Ranking for Accuracy – Blends of Monodispersed PS Spheres

Linkoptik LT3600 Plus	Instrument B	Instrument C

	Best
	Average
	Worst

**LT3600 Plus - Better
Performance for Blends
Measurements**



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Ranking for Accuracy in Quantifying Fines Addition

Amount of Fines (%)	Linkoptik LT3600 Plus	Instrument B	Instrument C
1			
2			
3			
5			
10			
25			
50			

	Best
	Average
	Worst

**LT3600 Plus - Better
Performance in Measuring
of Coarse Addition to Fines**



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Ranking for Accuracy in Quantifying Coarse Addition

Amount of Fines (%)	Linkoptik LT3600 Plus	Instrument B	Instrument C
1			
2			
3			
5			
10			
25			
50			

 Best
 Average
 Worst

**LT3600 Plus - Better
 Performance in Measuring
 of Fines Addition to Coarse**



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Overall Performance

Categories	Linkoptik LT3600 Plus	Instrument B	Instrument C
Accuracy – Size Assignment	1	0	1
Accuracy – Quantifying Fines	2	0	1
Accuracy – Quantifying Coarse	2	1	0
Blends of PS Spheres	1	1	0
Resolution	2	1	1
Throughput	2	2	1
Ease of Use	2	2	1
OVERALL PERFORMANCE	12	7	5

 Best
 Average
 Worst

**LT3600 Plus – Overall
 Performance Rankings of the
 Three Test Instruments.**



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Conclusion: The summary data presented here clearly shows that the LT3600 Plus competes well with 2 other industry popular brands. Please feel free to contact us for more details.