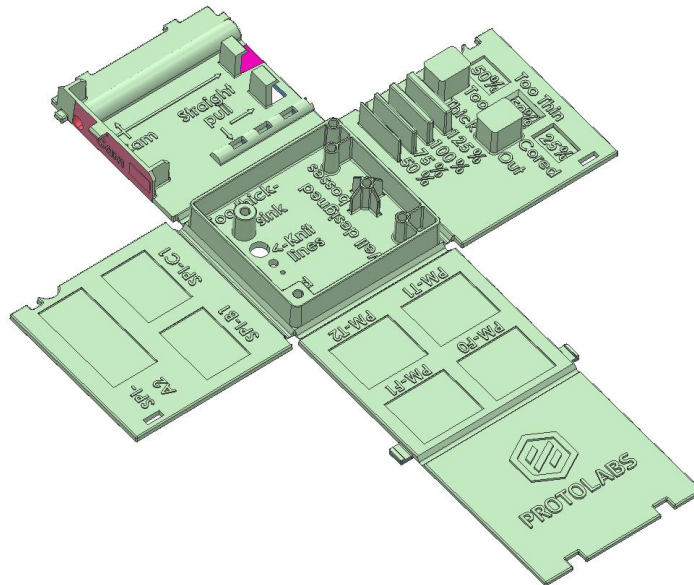




# (CTQ) CRITICAL-TO-QUALITY CAPABILITY REPORT

Date: 05-21-2024



**Customer:** Proto Labs Marketing

**Contact:** Marketing Manager

**PO Number:** 555111

**Order Number:** 1234-567

**Part Number:** 1477-5838-009

**Part Name:** 31566 - Folding sample cube 4th Edition rev 9

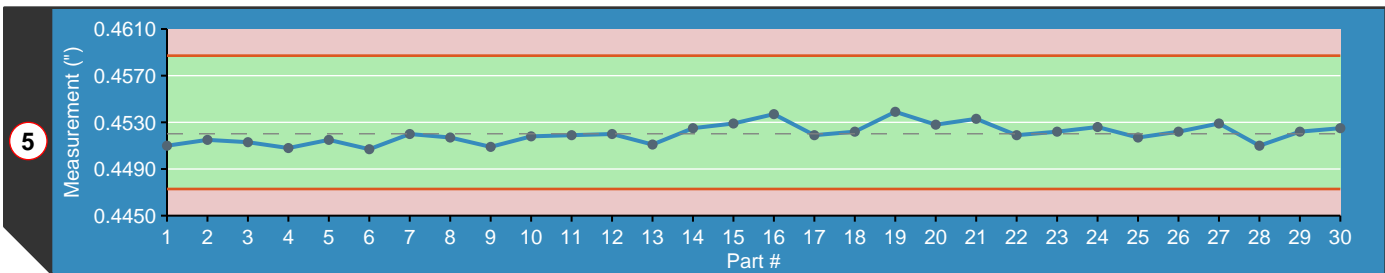
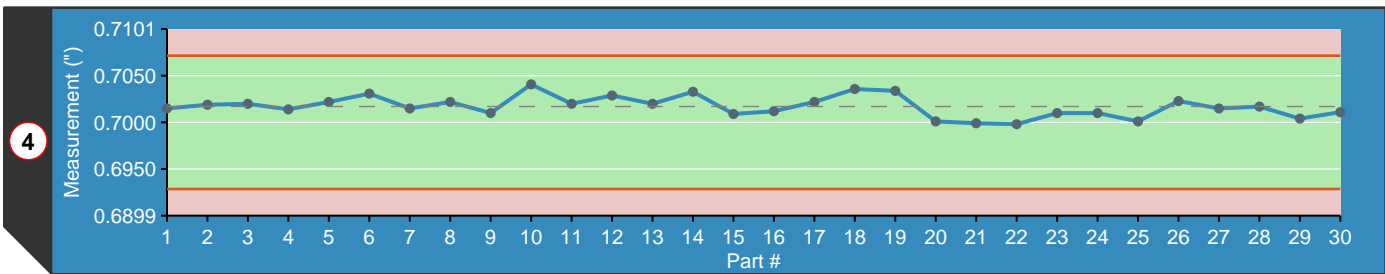
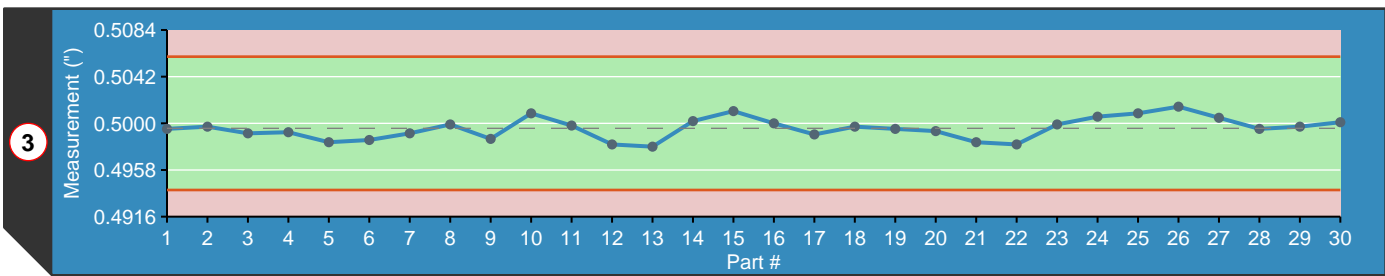
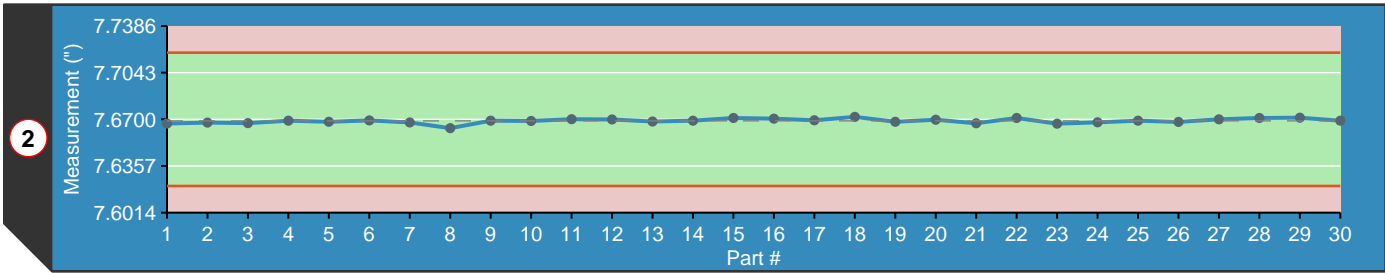
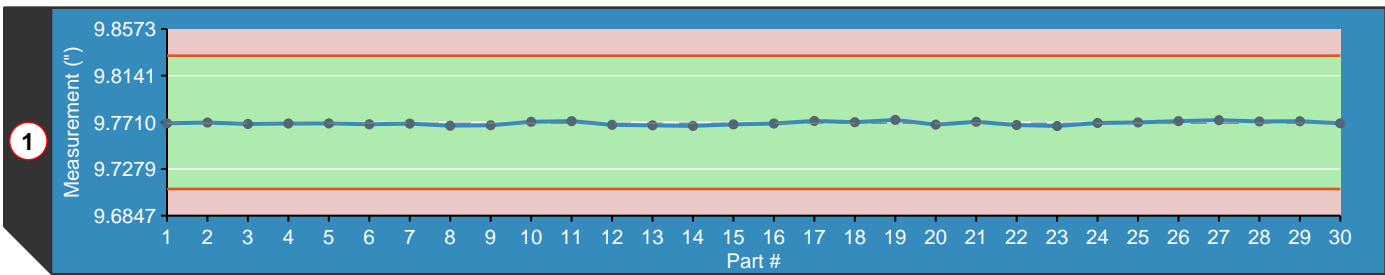


## > RESULTS: SUMMARY TABLE

	①	②	③	④	⑤
Description	Distance	Distance	Distance	Distance	Distance
Equipment	CMM	CMM	CMM	CMM	CMM
Nominal	9.7710	7.6700	0.5000	0.7000	0.4530
Protolabs Tolerance	+/- 0.0617	+/- 0.0491	+/- 0.0060	+/- 0.0072	+/- 0.0058
Part #1	9.7701	7.6669	0.4995	0.7015	0.4510
Part #2	9.7708	7.6676	0.4997	0.7019	0.4515
Part #3	9.7695	7.6672	0.4991	0.7020	0.4513
Part #4	9.7699	7.6690	0.4992	0.7014	0.4508
Part #5	9.7700	7.6682	0.4983	0.7022	0.4515
Part #6	9.7692	7.6692	0.4985	0.7031	0.4507
Part #7	9.7698	7.6677	0.4991	0.7015	0.4520
Part #8	9.7679	7.6635	0.4999	0.7022	0.4517
Part #9	9.7683	7.6690	0.4986	0.7010	0.4509
Part #10	9.7715	7.6688	0.5009	0.7041	0.4518
Part #11	9.7721	7.6701	0.4998	0.7020	0.4519
Part #12	9.7687	7.6699	0.4981	0.7029	0.4520
Part #13	9.7682	7.6684	0.4979	0.7020	0.4511
Part #14	9.7677	7.6690	0.5002	0.7033	0.4525
Part #15	9.7691	7.6710	0.5011	0.7009	0.4529
Part #16	9.7699	7.6705	0.5000	0.7012	0.4537
Part #17	9.7723	7.6693	0.4990	0.7022	0.4519
Part #18	9.7711	7.6718	0.4997	0.7036	0.4522
Part #19	9.7732	7.6682	0.4995	0.7034	0.4539
Part #20	9.7689	7.6697	0.4993	0.7001	0.4528
Part #21	9.7715	7.6671	0.4983	0.6999	0.4533
Part #22	9.7685	7.6710	0.4981	0.6998	0.4519
Part #23	9.7676	7.6668	0.4999	0.7010	0.4522
Part #24	9.7704	7.6678	0.5006	0.7010	0.4526
Part #25	9.7709	7.6690	0.5009	0.7001	0.4517
Part #26	9.7721	7.6681	0.5015	0.7023	0.4522
Part #27	9.7730	7.6700	0.5005	0.7015	0.4529
Part #28	9.7718	7.6710	0.4995	0.7017	0.4510
Part #29	9.7720	7.6712	0.4997	0.7004	0.4522
Part #30	9.7701	7.6690	0.5001	0.7011	0.4525
Average	9.7702	7.6689	0.4995	0.7017	0.4520
Std. Dev.	0.0013	0.0015	0.0007	0.0009	0.0007
Cp	16.08	10.67	2.77	2.55	2.74
Cpk	15.87	10.42	2.56	1.94	2.27

All results & dimensions shown in **inches**. Critical-to-Quality Capability Reports include inspection results from 30 sample parts taken from across the breadth of the production run.

# > RESULTS: CONTROL CHARTS



<b>Inspector:</b> PL	<b>Customer:</b> Proto Labs Marketing
<b>Inspection Date:</b> 05/21/2024	<b>Part Name:</b> 31566 - Folding sample cube 4th Edition rev 9
<b>CMM Serial No.:</b> 1120-8027UA	<b>Material:</b> Profax 6323 CORNFLOWER BLUE 3% (OMNICOLOR® OCUFM-UN...
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