

PARTICLE COMPARISON CHART: TEXWIPE ALPHA 10 vs FOAMTEC INTERNATIONAL MIRAWIPE

In this demonstration the surface particles were read using the Q3 Particle counter on two side-by-side TxZ Chambers (CH-1 & CH-2). Chamber 1 had an average reading of 11.9 particles at 0.3Microns, Chamber 2 had an average reading of 63 particles at 0.3Microns. Chamber 1 was then wiped out using IPA with the Texwipe Alpha 10 Wiper, while Chamber 2 was wiped out using IPA with the Foamtec MiraWIPE. Surface particle readings were taken again using the Q3 Surface Particle counter.

Chamber 1 showed an average of 2.87 Particles at 0.3Microns - A 87.9% Reduction of Particles when using the Alpha 10

Chamber 2 showed an average of 0.64 particles at 0.3Microns - A 98.6% Reduction of Particles when using the MiraWIPE.

CHAMBER 1						CHAMBER 2					
PRE CLEAN READINGS	.3 microns	.5 microns	1 microns	5 microns	10 microns	PRE CLEAN READINGS	.3 microns	.5 microns	1 microns	5 microns	10 microns
PRECLEAN000	31.1	15.4	0.16	0.05	0	PRECLEAN006	8.84	4.73	0.03	0.03	0
PRECLEAN001	3.59	2.12	0	0	0	PRECLEAN007	289.49	185.41	0.36	0.21	0
PRECLEAN002	26.17	12.87	0.03	0	0	PRECLEAN008	17.67	9.2	0.1	0.05	0
PRECLEAN003	4.78	2.43	0	0	0	PRECLEAN009	4.31	2.22	0	0	0
PRECLEAN004	62.41	29.06	0.05	0.03	0	PRECLEAN010	11.08	5.37	0.03	0.03	0
PRECLEAN005	14.67	7.36	0	0	0	PRECLEAN011	46.6	22.76	0	0	0
PREClean Avg Total	23.7866667	11.54	0.04	0.01333333	0	PREClean Avg Total	62.9983333	38.2816667	0.08666667	0.05333333	0
Alpha Wipe POST CLEAN READINGS	.3 microns	.5 microns	1 microns	5 microns	10 microns	MiraWIPE POST CLEAN READINGS	.3 microns	.5 microns	1 microns	5 microns	10 microns
Alpha Wipe	0.05	0.03	0	0	0	MiraWIPE	0.31	0.05	0	0	0
Alpha Wipe	0.05	0	0	0	0	MiraWIPE	1.55	0.36	0	0	0
Alpha Wipe	0.16	0	0	0	0	MiraWIPE	0.16	0	0	0	0
Alpha Wipe	7.16	3.02	0	0	0	MiraWIPE	0.08	0	0	0	0
Alpha Wipe	5.68	3.1	0	0	0	MiraWIPE	1.86	0.96	0	0	0
Alpha Wipe	0.18	0.03	0	0	0	MiraWIPE	2.64	1.21	0	0	0
Alpha Wipe	5.3	2.4	0	0	0	MiraWIPE	0.05	0	0	0	0
Alpha Wipe	4.39	1.42	0	0	0	MiraWIPE	0.39	0.21	0	0	0
POSTClean Avg Total	2.87125	1.25	0	0	0	POSTClean Avg Total	0.88	0.34875	0	0	0
% Particle Defect Reduction	87.93%	89.17%	100.00%	100.00%	100.00%	% Particle Defect Reduction	98.60%	99.09%	100.00%	100.00%	100.00%