



## PARTICLE MANAGEMENT SOLUTIONS

### PARTICLE SIZE vs GRINDING EQUIPMENT

MICRON (Opening Size)	MILLIMETER	NEAREST FRACTION	DECIMAL	MESH (# of Openings/linear inch)	
50800	50.800	2	2.000		<b>Flake Breaker</b>
44450	44.450	1 3/4	1.7500		
38100	38.100	1 1/2	1.500		
31750	31.750	1 1/4	1.2480		
26988	26.988	1 1/16	1.0625		
25400	25.400	1	1.0000		
22400	22.400	7/8	.8819		
19000	19.000	3/4	.7480		
16000	16.100	5/8	.6339		
13200	13.200	33/64	.5197		
12700	12.700	1/2	.5000		
11200	11.200	7/16	.4409		
9500	9.500	3/8	.3740		
8000	8.000	5/16	.3150	2 1/2	
6300	6.300	1/4	.2500	3	
5660	5.660	7/32	.2228	3 1/2	
4750	4.750	3/16	.1870	4	
4000	4.000	5/32	.1575	5	
3350	3.360	1/8	.1323	6	
2830	2.830	7/64	.1114	7	
2380	2.380	3/32	.0937	8	
2000	2.000	5/64	.0787	10	
1680	1.680	1/16	.0661	12	<b>Mega Mill Fine Grinder Flake Breaker</b>
1410	1.410	1/20	.0555	14	
1190	1.190	3/64	.0469	16	
1000	1.000	1/25	.0394	18	
840	.840	1/32	.0331	20	
710	.710	1/40	.0280	25	
545	.545		.0213	30	
500	.500	1/50	.0197	35	
420	.420	1/64	.0165	40	
354	.354		.0139	45	
297	.297		.0117	50	
250	.250		.0098	60	
210	.210		.0083	70	
177	.177		.0070	80	
149	.149		.0059	100	<b>Classifier Mill MAC Air Classifier</b>
125	.125		.0049	120	
105	.105		.0041	140	
100	.100		.0039	150	
88	.088		.0035	170	
74	.074		.0029	200	
63	.063		.0025	230	
53	.053		.0021	270	
44	.044		.0017	325	
37	.037		.0015	400	
32	.032		.0013	450	
25	.025		.0010	500	
20	.020		.0008	635	
1	.001		.00004	125000	

**Fine Grinder**