STURTEVANT
SINCE 1883



STURTEVANT TECHNOLOGIES

SIZE REDUCTION

Coarse reductions to 50 mesh
- Jaw Crusher-tough abrasive material
- Roll Crusher-minimal fines generation
- Hammermill-general purpose reductions

50 mesh–325 mesh
- Simpactor®-impact mill—minimally abrasive powders and slurries

200 mesh–5 micron
- Micronizer®-classifying impact mill— mildly abrasive products

45 micron to sub micron
- Micronizer®-jet mill—soft to highly abrasive materials

AIR CLASSIFICATION

Separating dry powders into coarse and fine fractions

100 mesh–325 mesh
- Whirlwind® Air Classifier

100 mesh–400 mesh
- SD® High Efficiency Air Classifier

400 mesh–3 micron
- Superfine Air Classifier

348 Circuit Street, Hanover, MA 02339-2129

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SIZE REDUCTION AND AIR CLASSIFICATION

MICRON	US-MESH	HEGMAN	INCH
4750	4	0	.187
4000	5	0	.158
3350	6	0	.132
2800	7	0	.111
2360	8	0	.093
2000	10	0	.078
1700	12	0	.066
1400	14	0	.055
1180	16	0	.0469
1000	18	0	.0394
850	20	0	.0331
710	25	0	.0278
600	30	0	.0234
500	35	0	.0197
425	40	0	.0165
355	45	0	.0139
300	50	0	.0117
250	60	0	.0098
212	70	0	.0083
180	80	0	.0070
150	100	0	.0059
125	120	0	.0049
106	140	0	.0041
90	170	1	.0035
75	200	2	.0029
63	230	3	.0025
53	270	4	.0021
45	325	4.5	.0017
38	400	5	.0015
25	500	6	.0009
20	635	6.5	.00079
13	1000	7	.00050
6	2300	7.5	.00025



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