Grinding mills

Pulverising to 20-100 mesh for plastic, biomass and mineral fillers. Disc, hammer and turbo configurations depending on the target fineness and heat sensitivity.

7 models in this series. Capacities are indicative and depend on material bulk density, moisture, feed size and target output; a written capacity guarantee is issued against a material sample.

Plastic pulverizer SST-PV series

PVC, PE and PET ground to powder at ambient temperature.

MODEL	DISC DIA. (MM)	POWER (KW)	CAPACITY (T/H)	FINENESS
SST-PV400	400	22 - 30	0.3 - 0.5	10 - 40 mesh
SST-PV500	500	37 - 45	0.5 - 0.9	10 - 50 mesh
SST-PV600	600	55 - 90	0.9 - 2	20 - 60 mesh

Feed should be 3-8 mm regrind. Capacity falls as fineness increases.

Wood flour mill SST-WF series

Wood flour from 40 to 200 mesh for substrate and fillers.

MODEL	ROTOR (MM)	POWER (KW)	CAPACITY (T/H)	FINENESS
SST-WF600	600	37 - 45	0.4 - 1	40 - 80 mesh
SST-WF800	800	55 - 75	1 - 2.5	40 - 120 mesh
SST-WF1000	1,000	90 - 132	2.5 - 5	60 - 200 mesh

Feed below 15% moisture; wet chips need drying first.

Rubber powder mill SST-RP series

Ambient grinding of tire crumb to 10-80 mesh rubber powder.

MODEL	DISC DIA. (MM)	POWER (KW)	CAPACITY (T/H)	FINENESS
SST-RP400	400	45	0.3 - 0.6	10 - 40 mesh
SST-RP500	500	75	0.6 - 1.2	10 - 60 mesh
SST-RP600	600	110 - 160	1.2 - 4	20 - 80 mesh

Feed 1-4 mm crumb with steel below 0.1%.

Metal powder mill SST-MP series

Turn metal swarf and small scrap into a dense powder.

MODEL	ROTOR (MM)	POWER (KW)	CAPACITY (T/H)	FINENESS
SST-MP500	500	37 - 45	0.3 - 0.8	10 - 40 mesh
SST-MP700	700	55 - 75	0.8 - 1.8	10 - 60 mesh
SST-MP900	900	90 - 110	1.8 - 3	20 - 80 mesh

Reactive or dusty metals require inerting and explosion venting; tell us the material before quoting.

Raymond mill SST-RM series

Pendulum grinding for mineral powders from 80 to 400 mesh.

MODEL	ROLLERS	POWER (KW)	CAPACITY (T/H)	FINENESS
SST-RM3R	3	30 - 45	1 - 3	80 - 325 mesh
SST-RM4R	4	55 - 90	3 - 8	80 - 325 mesh
SST-RM5R	5	110 - 250	8 - 20	80 - 400 mesh

Capacity varies with hardness and target fineness; a grindability test is recommended above 10 t/h.

Ball mill SST-BM series

Fine grinding below 325 mesh, wet or dry, in one shell.

MODEL	CYLINDER (MM)	POWER (KW)	CAPACITY (T/H)	FINENESS
SST-BM900	900 x 1,800	22 - 30	0.5 - 2	150 - 325 mesh
SST-BM1500	1,500 x 3,000	75 - 110	3 - 8	150 - 325 mesh
SST-BM2100	2,100 x 4,500	210 - 400	10 - 25	200 - 325 mesh

Media and liner wear is the main running cost. Above 10 t/h we recommend a Bond work index test before sizing.

Ultra-fine grinding mill SST-UF series

Classifier mill for powders down to 1,250 mesh.

MODEL	ROTOR (MM)	POWER (KW)	CAPACITY (T/H)	FINENESS
SST-UF600	600	45 - 55	0.3 - 1	325 - 800 mesh
SST-UF800	800	75 - 110	1 - 2.5	325 - 1,000 mesh
SST-UF1000	1,000	160 - 250	2.5 - 6	400 - 1,250 mesh

Capacity drops steeply with fineness; a grindability test is recommended before sizing.

Zhengzhou, Henan, China · sales@shuangshitong.com · +86 159 3629 9993 www.shuangshitong.com