

PRODUCT BULLETIN

Features & Benefits:

- Finest cuts to reduce sorbent use up to 50%
- Integral dry cleaning system to maximize up-time
- Unique material compositions offer the lowest wear rate available and prevent build-up
- Offers an alternative to expensive disposal costs

The Powderizer® FGT air classifying mill reduces sorbent particle size, improving the emissions of coal fired power plants, industrial boilers, municipal furnaces and bio-mass plants. The FGT Series Mills, decrease operating and disposal costs through decreased sorbent usage and provide utilities with an efficient and economical method for emissions control. Sturtevant FGT Series Mills are specifically designed for the rigors of dry sorbent processing and provide companies with the most reliable and efficient technology to meet their demands.

How it Works:

The Sturtevant Powderizer® FGT is a high speed impact mill with an internal air classifier. The dry sorbent material enters the grinding chamber through a feed inlet on the side of the mill where it comes into contact with a series of spinning impact blocks smashing the material into fine particles. The fine particles must pass through a cage of spinning blades, known as the “air classifying wheel”. The wheel acts as a screen and only lets the particles that are sized small enough to pass through, it also rejects the large particles causing them stay in the mill for additional grinding. The fine particles then exit the mill and are collected in a bag house product collector. Particle size is easily adjusted by increasing or decreasing the classifier speed, without mill shutdown to achieve the desired PSD. Other system parameters are easily adjusted to allow for tight control of product size for grinding and classifying of a variety of materials.

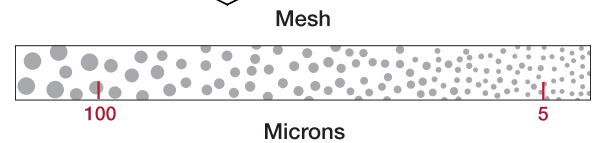
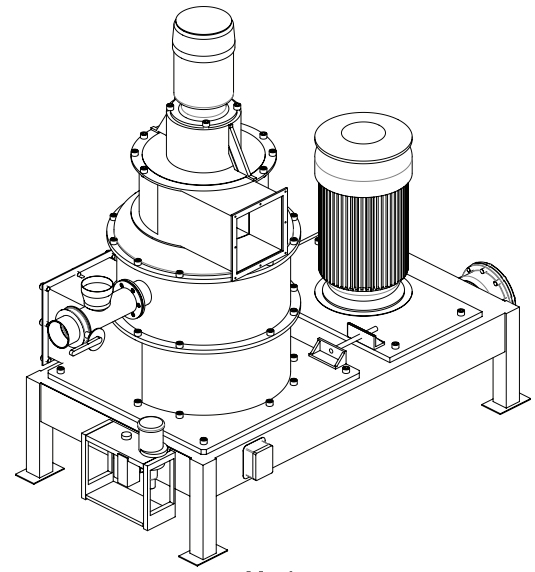
Applications:

- Sodium Bicarbonate
- Hydrated Lime

POWDERIZER® FGT

MILL SIZE	MOTOR POWER RANGE (HP)	TYPICAL AIRFLOW (CFM)	SBC COARSE CUT CAPACITY (TPH)	SBC FINE CUT CAPACITY (TPH)	PRODUCTION CAPACITY (LBS/HR)	APPROXIMATE WEIGHT		OVERALL DIMENSIONS L X W X H	
						(LBS)	(KG)	(FT)	(MM)
#NSP-2-FGT	30	1,200	.75	1	1,800	1,700	771	7' x 4' x 5'	2134 x 1219 x 1524
#NSP-2.5-FGT	100	3,750	2	3	5,500	4,500	2041	9' x 6' x 6'	2743 x 1829 x 1829
#NSP-3-FGT	150	6,250	4	6	8,500	6,200	2812	11' x 6' x 8'	3353 x 1829 x 2438
#NSP-4-FGT	300	12,000	8	9	18,000	10,000	4536	12' x 6' x 8'	3658 x 1829 x 2438

Measurements are for general reference only. Please consult dimensional drawings for exact measurements.



Product Fineness: 100 µm-5 µm
 Capacity Range: 1,800-18,000 lbs/hr
 Size Range: 30-300 HP
 Air Flow Range: 1,200-12,000 CFM

