

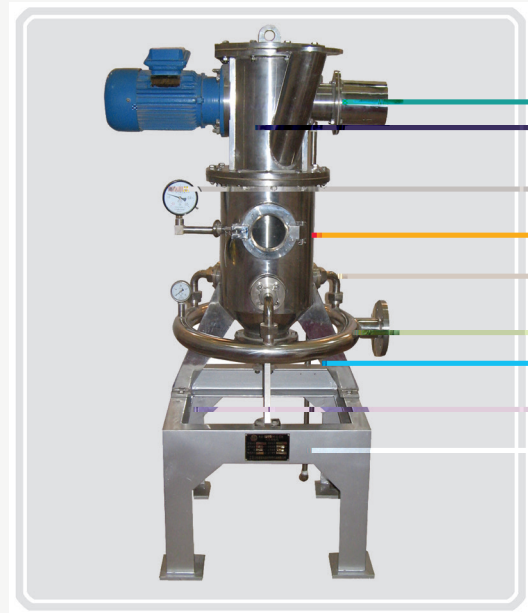
## HSW

### Series HSW Pneumatic Mill

#### (Work Principle):

Jet mill, with cyclone separator and draft fan, consists of crushing system. Compressed air after being dried is injected into crushing chamber quickly by the injection of valves. At connection points of many high- pressure air currents, feed materials are collided, rubbed and sheared repeatedly to powders. The crushed materials go into classifying chamber with uprising air flow, under the condition of lashing forces of draught fan. Under strong centrifugal forces of high-speed rotating turbo wheels, coarse and fine materials are separated.

Fine materials in line with size requirements go into cyclone separator and dusting filter through classifying wheels, while coarse materials fall down to crushing chamber to be crushed continuously



#### (Characteristics)

9

D97 2 150

Suitable for materials with Mohs' hardness < 9, especially, super- hard, super- pure and high extra- value materials.

Horizontal classifying installation. Particle size: D97: 2- 150um, adjustable, good shape and narrow size distribution.

Low temperature, no medium rushing, especially for heat- sensitive, low- melting point, sugar- containing and volatilized materials.

Feed materials impact by themselves, different from others which use hammer and razor blades. Wear- resistance and high pure.

To connect multi- grades classifiers to produce different size distributions.

Easy to be dismantled, smooth inside wall.

Crushing in tight- air, no dusts, low noise and no pollution.

Programmable control system, easily operate

## (Application):

Widely used for chemical, minerals, metallurgy, abrasive, ceramics, fire-proof material, medicines, pesticides, food, health supplies, and new materials industries. Micro-jet mill is the necessary tool for the laboratory of research institution.

## (Technical Parameter):

Model Parameters	HSW03	HSW06	HSW10	HSW20	HSW40
mm Feed Size	3	3	3	3	3
d97: um Product Size	2 45	2 45	2 45	3 45	3 45
kg/h Capacity	2 30	30 200	50 500	100 1000	200 2500
m <sup>3</sup> /min Air Consumption	3	6	10	20	40
Mpa Air Pressure	0.7 1.0	0.7 1.0	0.7 1.0	0.7 1.0	0.7 1.0
kW General Power	21.8	42.5	85	147	282

## (Processing Chart):

