

Version : 2025 Rev.0

Jet Mill



SH-JETMILL



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Please read this manual thoroughly before use.

Incorrect usage may lead to safety hazards or equipment malfunction.

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1. General description

Thank you for purchasing our product.

This manual provides details regarding the features, external structure, installation procedures, operation methods and specifications. Please read the manual carefully to ensure safe and effective operation.

Our team is committed to prioritizing customer satisfaction and delivering the highest quality products.



SH SCIENTIFIC

2. Graphic symbols



Prohibited during use and maintenance



Caution during use and maintenance



Risk of electric shock



Risk of explosion



Disassembly prohibited

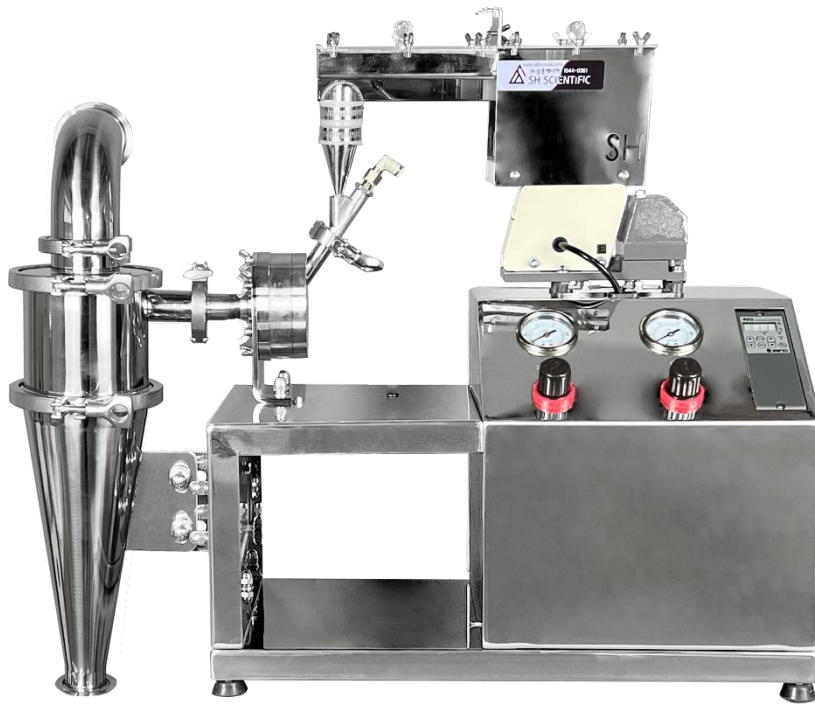


Fire hazard



Caution: High temperature / steam

3. Basic Parts



Main unit



Collection Bottle & Clamp



Dust Collection & Clamp

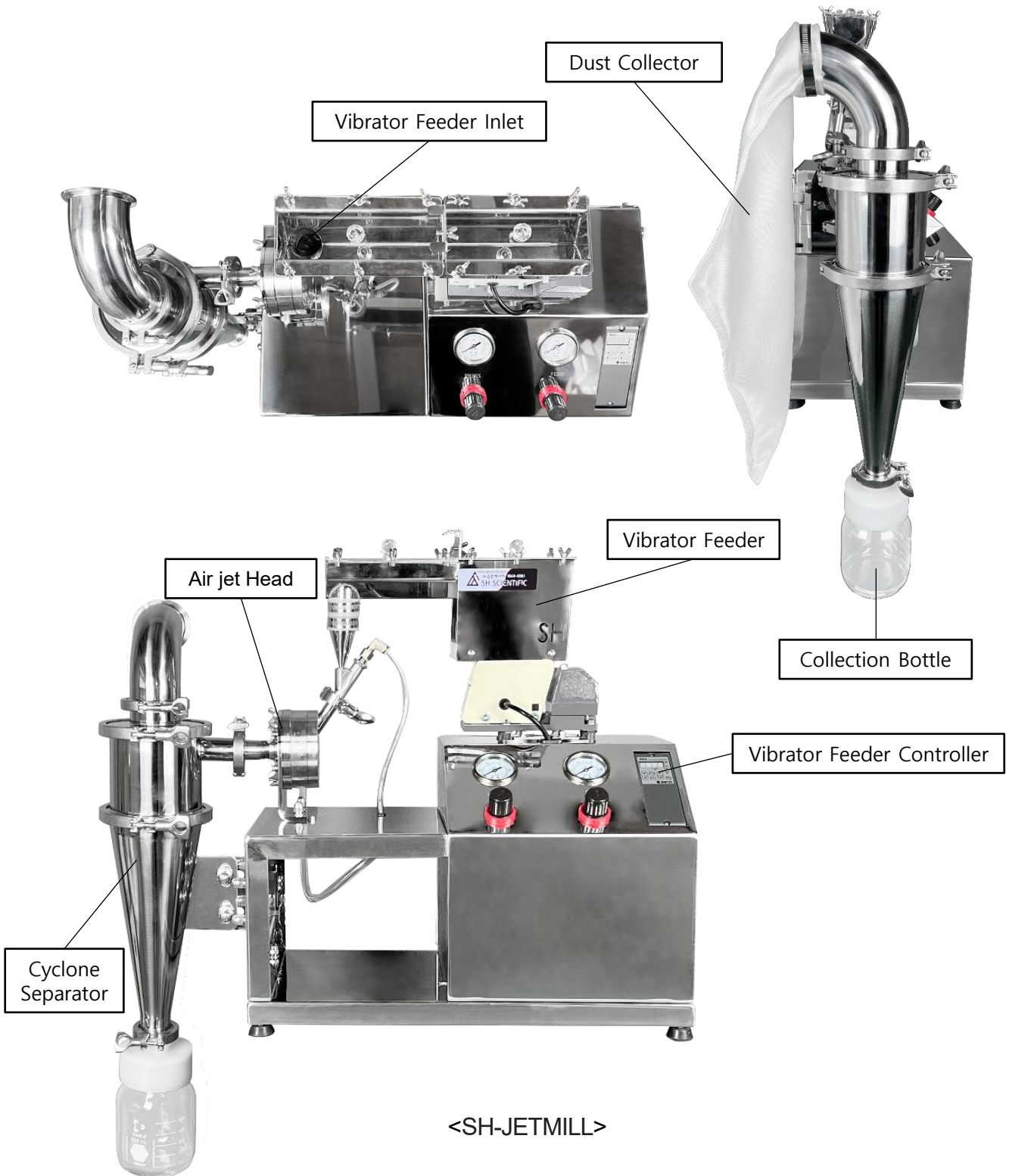


One-Touch Hose

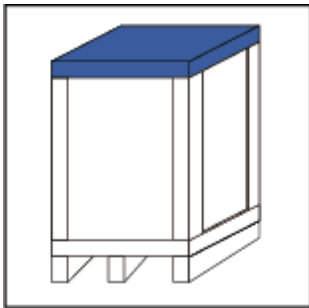


Clearance Gauge

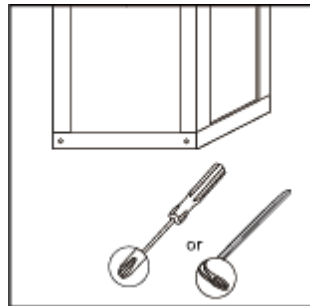
4. External Overview



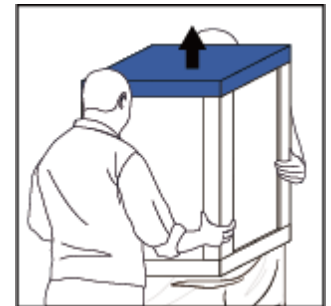
5. Installation



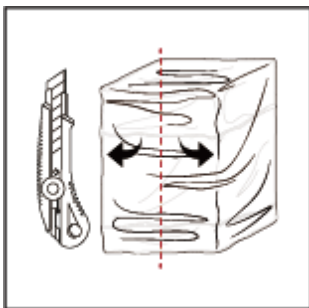
① After receiving the equipment, place it on a flat, level surface.



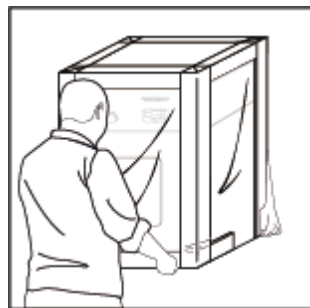
② Remove the bolts and nails from the wooden packaging crate.



③ Lift the paper packaging box as shown in the diagram.



④ Remove the vacuum-sealed protective bag.



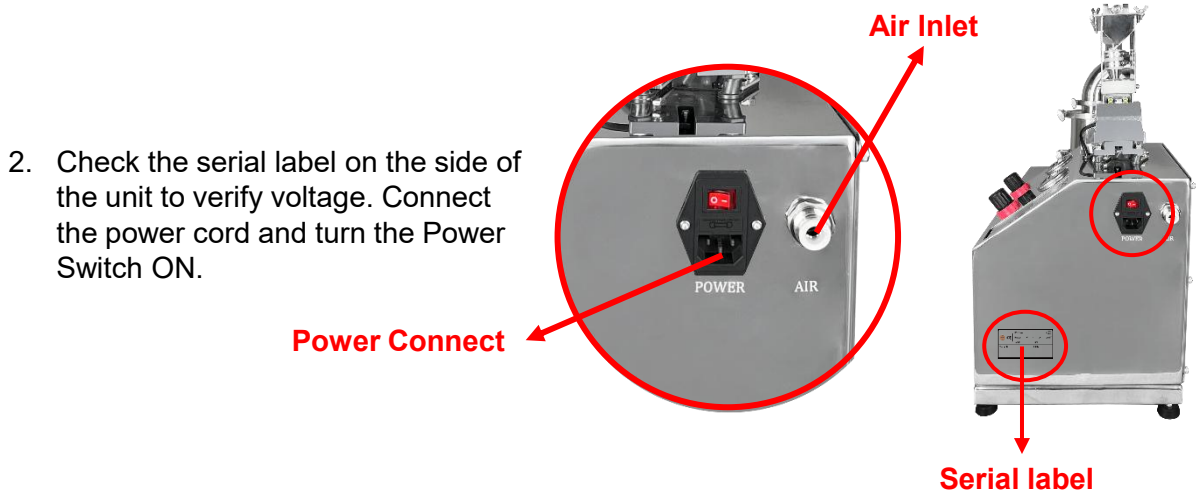
⑤ Position the equipment in the desired location.



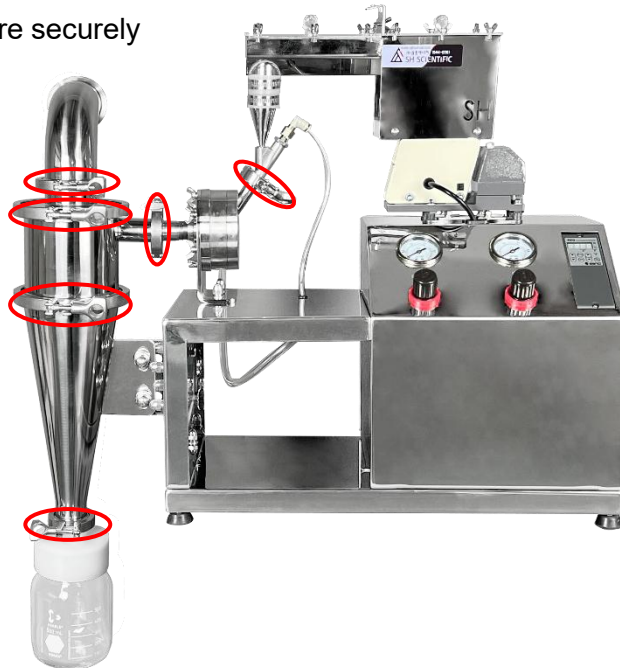
⑥ Remove any remaining plastic wrap or packaging film.

6. Setting and operation

1. Connect the air compressor to the air inlet of the Jet Mill using the supplied one-touch hose. (Inert gases such as N₂ or Argon may be used instead of air.)



3. Ensure all clamps are securely connected.



4. Start the air compressor, supply pressure to the Jet Mill, and check for air leaks.

PRESS pressure (Jet pressure): 0.3 ~ 0.4 MPa
FEED pressure: 0.5 ~ 0.6 MPa



5. Activate the vibrator feeder to slowly introduce material into the jet chamber.



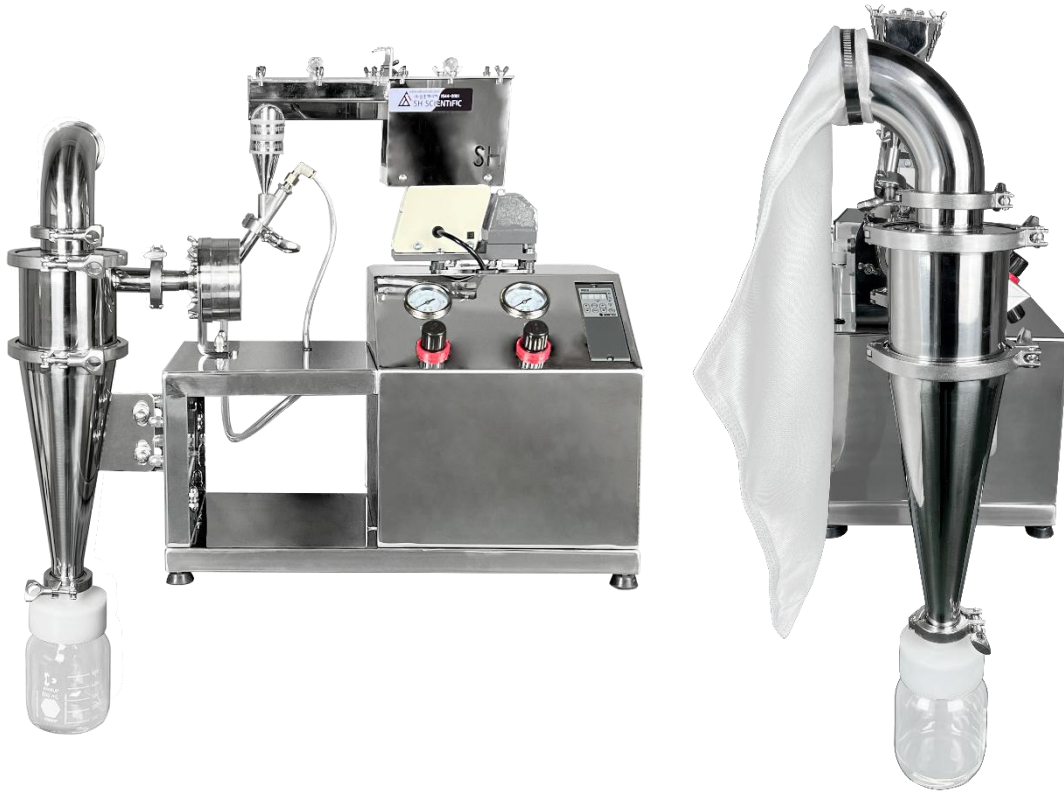
- ① PRESS : Jet pressure regulator
- ② FEED : Feed pressure regulator
- ③ Vibrator Feeder Controller : Vibrator feeder controller

6. Adjust both FEED and PRESS (Jet) pressure to achieve the desired particle size.
Higher speed of vibrator feeder results in larger particles.
Lower speed of vibrator feeder yields finer particles.

**** FEED pressure must always be higher than PRESS pressure (Jet pressure) to avoid reverse flow.**

7. After grinding, stop the vibrator feeder and then turn off the air compressor.

7. Specifications



Model	SH-JETMILL
Maximum feed particle size	≤ 5mm
Final particle size	≤ 3um ~ 10um
Material recovery rate	≥90%
Operating pressure	0.4 ~ 1.0 MPa
Dimension External (WxDxH)	850 x 420 x 760 mm
Electrical Power	220V, 1Φ

