



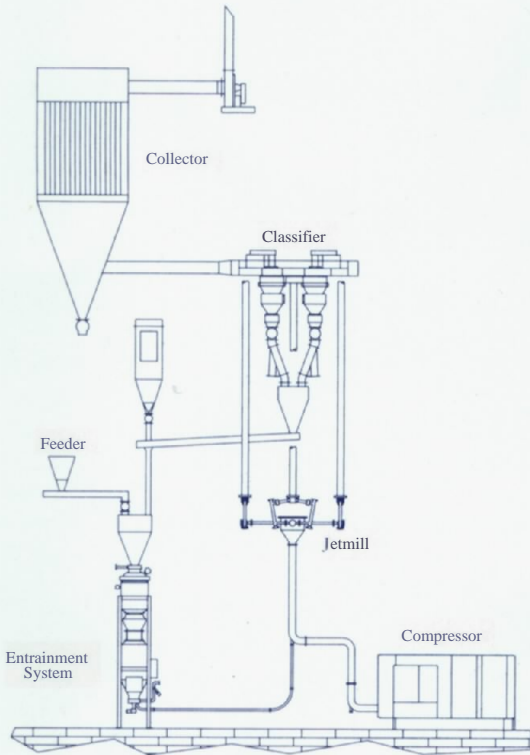
ATRITOR

Direct Opposed Jet Mills



Powder Perfection

Opposed Jet Mills



Typical Jet Mill System fully automatic PLC controlled

The Direct Opposed Jet Mill

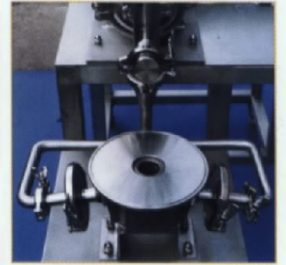
The Atritor Jet Mill is the ultimate in powder production technology. With remarkably low specific energy consumption, it will create the smallest particle size possible by dry processing.

Principle of Operation

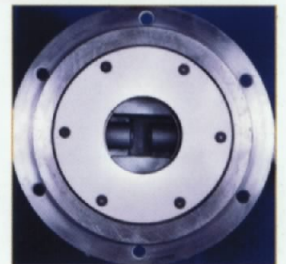
Material is entrained through an air lock arrangement and is accurately metered into the high pressure zone where it is accelerated to sonic velocities in opposing streams. The acquired energy is then dissipated instantaneously by interparticulate collisions in a totally autogenous grinding process.

Air Classification

In one continuous operation, the material leaving the grinding chamber is subjected to close cut dynamic classification, which provides adjustment and accurate control of product quality. Oversize material is recycled to the feed entrainment system, the product is collected in a bag filter, and the clean process air discharges to atmosphere through the exhaust fan.



Test Unit - Coventry



Full size mill chamber

Bespoke Designed System

The use of dry, oil-free compressed air and high grade abrasion resistant materials in the grinding chamber ensure uncontaminated products.

The compressed air may be cooled for heat sensitive materials or used hot to provide a drying capability or higher energy milling.

Each system is custom designed to specific performance requirements with optimal selection of components, materials of construction and grinding chamber geometry.

The capacity of each system is product dependent, but can range from 100 kgs/hr to 2000 kgs/hr.

Test Facility & Process Design

Tests on your material can be conducted to ensure your product specifications can be met by the Jet Mill in our Coventry Test Facility.

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Atritor Jet Mills are built to the rigorous standards of BS-EN-ISO9002



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