



## New low-energy air classifier developed using latest technology

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### IIT claim particle size cut points can be controlled even during operation

A new low-energy air classifier has been developed which will be able to tightly control the particle size in the range of 10-160µm, manufacturers International Innovative Technologies (IIT) claimed.

“These robust, high throughput air-stream units can accommodate the requirements of most fine powder production applications and are capable of maximising separation efficiency without compromising system energy requirements,” the company boasted.

The c-series construction is made up of an aerodynamically-formed classifier body and wheel which reduce system pressure drop, maintaining the power demand of the system fan at an optimum level.

Additionally, unlike other designs, IIT’s c-series classifiers have no secondary airflow requirement which can increase power consumption and affect system efficiency.

This technology ensures that particle size remains consistent under steady conditions.

Particle size cut-point changes are controlled by adjustment of the classifier wheel speed – even during operation – with the higher the wheel speed, the finer the product.

IIT raised \$10m. through the UK’s first-ever sukuk, which is a way of allowing institutions to invest in companies without breaching Shariah principles, via Dubai-based Millennium Private Equity.

It works closely with engineering and processing specialists from the University of Newcastle and the University of Leeds.