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Fine grinding is energy-efficient

Traditionally, fine grinding and low energy consumption are not often found together. A new air-jet mill developed by Netzsch-Condux is set to change this situation, however. The company says that its e-Jet System cuts energy use by up to 30 percent for certain materials, including minerals and amorphous chemical products. Netzsch-Condux has applied for a patent on the e-Jet System. Until now, high energy consumption has mainly limited the use of air-jet mills to high-value products. With its greater efficiency, the e-Jet System opens up new application areas

for this type of dry fine-grinding, as well as reducing energy costs in traditional applications. According to Netzsch-Condux, the e-Jet System may also be economic for products which previously required mechanical milling; the operating principle of fluidized bed jet mills means negligible wear, and hence lower maintenance costs. The capital cost of the the e-Jet System is also said to be lower than that of traditional milling equipment.

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