

Low energy, maximum power from IIT

A new patented low energy milling technology, capable of meeting the fine grinding requirements of composites and other hard materials, will be on show at this year's Composites Engineering Show (9-10 November, NEC Birmingham).

Gateshead-based engineering specialist International Innovative Technologies (IIT) has pioneered the new technology for the fine grinding of composites, raw materials and minerals into fine powders.

These include GRP and other composite materials as well as aluminium oxide, silicon carbide, glass and other minerals and aggregates.

The low energy performance of the new mill has the potential to convert waste material into

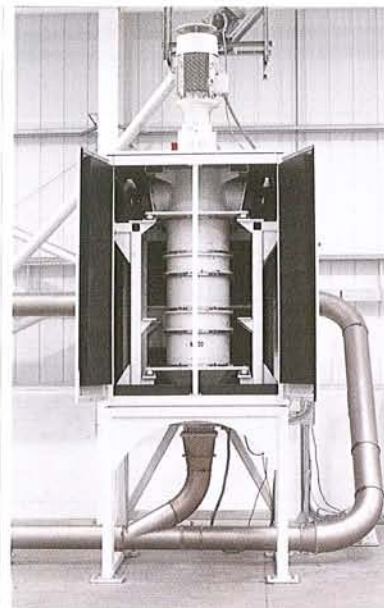
commercial products for recycling and re-use.

In the GRP industry, IIT has successfully installed a milling plant in an established production facility for the recycling of scrap and waste GRP back into original products.

This process involves GRP waste first being converted into flakes using shredding equipment before secondary reduction is carried out in an IIT m-series mill which successfully converts the flakes into a fine powder of generally less than 100 microns for re-use in the primary batch for the manufacture of new GRP products.

Compact and powerful, the centrifugal grinding mechanism of the m-series is extremely efficient with the vertical material flow path and special roller assembly ensuring

The IIT grinding mill can recycle waste back into original products.



that the force produced is translated into maximum particle grinding power.

The IIT grinding mill and ancillary particle sizing plant are ATEX compliant.

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