



QUALITY CERTIFIED
SECONDHAND MACHINES
AT ATTRACTIVE PRICES

HOME DIRECTORY NEWS ARTICLES BUSINESS AREA FORUM JOBS



Search the news

GO

[Sign-in](#) | [Registration](#)

» [Home](#) » [News](#) » New glass recycling technology

kanglai-industrial.com

CONTRIBUTE

[Submit your news](#)

[Submitted news](#)

NEWS ARCHIVES

2011

May

April

March

February

January

2010

2009

2008

2007

2006

2005

2004

2003

2002

2001



Machinery

New glass recycling technology

NEW MILLING TECHNOLOGY HAS POTENTIAL TO OPEN-UP NEW GLASS RECYCLING MARKETS

New patented milling technology has the potential to meet the powder and fine grinding requirements of waste glass that were previously regarded as uneconomic.

UK based International Innovative Technologies Ltd. (IIT), has developed new grinding technology that combines low energy consumption with a compact size and powerful grinding force.

As a result, as well as being suitable for the conventional grinding of a wide range of minerals and materials, the highly efficient and versatile milling system also has the capability to economically convert waste glass into fine powders for a range of recycling applications.

The new m-series powder mill from IIT comprises a technically advanced modular design capable of fine grinding soft, medium and hard materials (to 9.5 on the Mohs scale) to 90% passing 45 microns and below.

IIT has successfully used the new technology for the successful milling of glass waste to 50-75 microns to demonstrate the feasibility

News

Latest news

May-09-11

[Tubelite AIA/CES course menu](#)

May-09-11

[AAMA/WDMA Window, Door, Skylight and Curtain Wall Market Study Available](#)

May-09-11

[Magnolia Solar Demonstrates Ultra-High Transmittance Through Nanostructure-Coated Glass](#)

May-09-11

[New glass recycling technology](#)

May-09-11

[Foodpro 2011 update: Innovative glass packaging from O-I](#)

May-09-11

[Longhorn Glass restarts production after \\$40M upgrade](#)

May-06-11

[Mexico's Vitro first quarter net profit up sharply on higher sales](#)

May-06-11

[Fulltech aims to be top fiber glass yarn vendor in five years](#)

May-06-11

[Glasstech Asia 2011: the Latest Developments in the World's Glass Industry Indonesia Hosts World-class Glass Exhibition](#)

May-06-11

[CENTROSOLAR Expands in Asia](#)

Unrivalled experience in project management on the five continents

www.fivesgroup.com

AD VANTAGE SOFTWARE FOR THE GLASS INDUSTRY

www.dreamglass.es

ADVERTISING

and cost effective production of powdered glass product for potential use in recycling applications such as a fluxing agent in brick manufacture and in filtration applications.

Compact and powerful, the centrifugal grinding mechanism of the m-series is extremely energy efficient with the vertical material flow path and special roller assembly ensuring that the force produced is translated into maximum particle grinding power.

As a result, rather than rely on airflow to carry the feed materials through the mill and into contact with the grinding media, the new IIT mill utilises natural centrifugal and gravitational forces to maximum effect.

As a result, extremely low electrical energy input is required relative to particle size and volume of powder output, with specific energy consumption typically between 5kWh/T and 10kWh/T.

Multi stage grinding is achieved through the incorporation of a number of grinding modules in series with particle size controlled both by the number of modules and rotational roller speed applied.

The development of the new compact milling technology means that fine grinding solutions need no longer be restricted to traditional power hungry mills that absorb precious factory floorspace.

On the contrary, with traditional mill size and energy costs of converting granular materials into a fine powder no longer an inhibiting factor, volume powder milling applications can now be easily integrated into previously inaccessible locations.

May 9th, 2011
Source: IIT Ltd

 Printer friendly version

 Send

Ads by Google

[Powdersize, Inc.](#)

cGMP Compliant
Micronization of Food
and Pharmaceutical
Powders
www.PowderSize.com

**[UK conveyor
Manufacturer](#)**

Belt, Roller & Gravity
Conveyors Quick
deliveries, Great
Prices
www.beltconveyors.co.uk

[Glass Glazing](#)

24 Hour Glazing
Service. 365 Days a
Year. Call Today.
alllondonglass.com

**[Cundiffs Glass &
Glazing](#)**

View the online
information and get in
touch today
www.cundiffsglass111.co.uk

**[Electronic Waste
Disposal](#)**

Secure Collection &
Recycling of WEEE.
ISO 9001 - Quality
Assured
www.sltr.com

Ads by Google

[Architectural glass](#)

All your glass
processing needs
Architectural &
decorative glass
www.glass-processing.com

**[Online Quote
Calculator™](#)**

Free Instant Double
Glazed Quotes, How
Much Will You Save?
Get Quoted!
DoubleGlazingQuotes.com