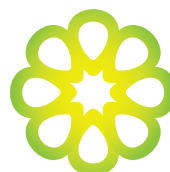


# Fiber Technology for the Smart Economy.

- > The New Choice for Fiber Based Products
- > Proven and Tested Products
- > Multiple Levels of Environmental Benefits
- > Attractive Economics for the Global Marketplace



**ecorntech**<sup>™</sup>

Better Products. Global Change.





# Better Products, Global Change.

Ecorntech™ is pioneering the technologies and processes to transform corn stover, the world's most abundant form of agriculture residue -- into one of the world's best performing, cost efficient, and earth-friendly lines of composite board, and paper pulp based products.

We are taking a leading role in the Green revolution by influencing profound environmental change through the reduction of deforestation, CO<sup>2</sup> emissions, dangerous substances, and desertification around the world.

## The Company

Ecorntech is a Green technology company with proprietary technology and processes utilizing corn stover to create Ecornfiber™, an intermediary product sold to manufacturers of composite board and paper based goods. The resulting end products offer comparable or superior performance characteristics versus similar products made from wood-fiber.

Our technology outperforms today's wood-fiber material and manufacturing requirements, providing significant cost savings. Ecornfiber based products are also made using "cleaner" and more efficient manufacturing processes and safer glues and resins, increasing manufacturing throughput, and producing additional positive environmental and cost benefits.

## Our Technology

Ecorntech's technology is a result of a multi-million dollar research and development program carried out in conjunction with and tested by the U.S. Department of Agriculture's Forest Products Laboratory.

Through the R&D process and performance testing it has been demonstrated that using Ecornfiber in place of wood-fiber:

- Reduces the number of manufacturing steps, yielding lower production energy costs;
- Higher product volume;
- Results in cleaner manufacturing processes producing fewer by-products;
- Eliminates the use of formaldehyde in the production of composite board;
- Reduces the amount of bleaching required for pulp and paper production.

These proprietary materials and processes produce significant environmental benefits and exceed global environmental standards as-well-as increase efficiencies in the manufacturing process resulting in greater production capacity, and therefore improved operating margins.



“Ecornfiber represents the first viable alternative to wood-fiber, producing significant cost savings, high product performance, and a ‘green’ environmental profile.”

- Yoo Kim, CEO, Ecorntech

## Product Applications for Ecornfiber

MDF, OSB, plywood and paper are used worldwide and are today made of wood-fiber. The global market for wood-fiber exceeds \$200 billion. In the US alone, paper production for domestic use and export exceeds \$50 billion, and the US fiberboard market for domestic use and export exceeds \$35 billion for a combined US market of over \$85 billion.

With the global economy finally realized and running on “all cylinders” demand for these products are sky rocketing. Just like all raw materials today, wood-fiber is in short supply. Ecornfiber can not only fill the gap, but can offer significant advantages over wood-fiber.

## Services

Ecorntech will provide a variety of services beyond the sales of its Ecornfiber product. These services include:

- **Production and Process Consulting:** developing and implementing new manufacturing methods to utilize Ecornfiber as a raw material.
- **Regulatory Services:** providing risk assessment, product profiling, global product notification, and compliance with labeling requirements.
- **Safety Services:** advising customers on material handling, storage, and process safety.
- **Testing Services:** offering product performance testing, quality assessments, and failure analysis.
- **Environmental Services:** environmental audits, plant inspections, and legal requirements assessments.

## Where we are Today

Ecorntech has developed its core technology and processes over the last 5 years. The company has also produced proof-of-principle and proof-of-concept level Ecornfiber as well as Particle Board, MDF, and paper products. MDF made from Ecornfiber has been produced and tested by the USDA Forest Products Laboratory, and has been found to meet or exceed similar product performance standards versus wood-fiber.

In the short-term, Ecorntech will focus its resources on the composite board market, with the initial product being MDF.

## The Global Opportunity

- Increasing global demand for renewable sources of fiber materials that are more attractive than managed forests.
- Ecorntech has developed the proprietary technology that can lead a global revolution in fiber-based products traditionally dominated by wood-fiber.
- Deforestation accounts for 25% of all CO<sup>2</sup> emissions.
- The wood and paper manufacturing process consumes enormous amounts of energy, and utilizes toxic chemical pollutants.
- Environmentally friendly Ecornfiber makes better products, increases profits and contributes on a global scale to improve the environment.
- Positive impact for developing Nations:
  - Robust economic model
  - Solves environmental residue problem
  - Cleaner and higher performing end products

## The New Choice for Fiber Based Products

Ecornfiber™ is an intermediary compound sold to manufacturers of composite board materials (medium density fiberboard [Particle Board and MDF], plywood, and oriented strand board [OSB]), and pulp for paper goods. The resulting products offer comparable or superior performance characteristics versus similar products made from wood-fiber, and will result in prices less expensive than wood-based products. Additionally, Ecornfiber based products are made using “cleaner” and more efficient manufacturing processes using safer glues and resins, producing additional environmental and cost benefits.

## Proven and Tested Products

Ecorntech has also produced proof-of-principle and proof-of-concept level Ecornfiber as well as MDF and paper products. Particle Board and MDF made from Ecornfiber has been produced and tested by the USDA Forest Products Laboratory, and meets or exceeds similar products made from wood-fiber.

## Multiple Levels of Environmental Benefits

Ecorntech has developed proprietary processes and materials that:

- Reduce the number of manufacturing steps, yielding lower production energy costs for paper and composite board;
- Higher product volume;
- Cleaner manufacturing processes producing fewer by-products;
- Eliminates the use of formaldehyde in the production of composite board;
- Reduces the amount of bleaching required for paper production.

These proprietary materials and processes produce significant environmental benefits and exceed global environmental standards.

## Attractive Economics for the Global Marketplace

Corn stover is the world’s largest agricultural residue, with as much as 150 million metric tons produced annually in the US alone. In countries like the US, it is perceived to have limited value as it is generally turned back into the soil, or may be used as bedding or supplemental feed for livestock. In developing nations such as China and Brazil, it is typically burned in the field releasing huge amounts of smoke and CO<sup>2</sup> into the atmosphere. And now, the supply of this material is increasing even further as additional acres of farmland have been planted with corn to meet demand for biofuels. Ecorntech will turn this perceived low value resource into a new higher-value product that produces significant economic and environmental benefits for all business stakeholders.

Ecorntech will also introduce Ecornfiber into developing nations offering a locally manufactured product - making housing and household products more affordable.



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