

■ **A RECYCLED WOOD WHICH IS STRONGER THAN STEEL**

Scientists at the University of British Columbia, Canada, have discovered a new way to recycle wood, but with a twist: the technique not only means you can build with it again, but it will be stronger than steel.

This treatment process can turn old pieces into a new super-strong material called “healed wood”. You don’t need whole pieces of wood to construct anything. This new substance may still be made from little bits or shattered pieces, and even sawdust or pulp.

When dimethylacetamide (a solvent) is combined with lithium chloride, it can break down the cell walls, releasing lignin, a glue-like substance found in wood. Tiny fibers in the cell walls are also free to capture other tiny fibers, resulting in a substance that is considerably tougher than the original.

When two or more pieces are glued together in this manner, the researchers refer to it as a “healed” piece. It no longer resembles wood, yet it retains some of its greatest characteristics while becoming stronger than steel or titanium alloys.

Steel and other metal production is not only energy demanding, but frequently consumes coal and other fossil fuels, thus recycled wood is preferable since no fresh trees are chopped down to produce the raw materials, and it is unquestionably a superior option to steel and other metals.

The approach is evidently scalable and therein lies the challenge to take this technology to the next level.



Source: <https://www.cleanfuture.co.in/2022/06/03/recycled-wood-stronger-than-steel/>

■ **LUCIDYNE COMPLETES BRAND INTEGRATION WITH MICROTEC**

Lucidyne Technologies, Inc., North American leader in automated lumber scanning and optimization, announced its brand integration with MiCROTEC, global technology partner for the sawmilling and wood processing industry, has been completed. Lucidyne will work under the common corporate brand of MiCROTEC to build world-leading wood scanning solutions for customers in North America, Australia and New Zealand.



Lucidyne
is our legacy.

MiCROTEC
is our future.

Source: <https://www.woodbusiness.ca/lucidyne-completes-brand-integration-with-microtec/>

■ **THE FIRST BATCH OF FORMALDEHYDE-FREE PLYWOOD & LVL MANUFACTURED BY CHONGZUO GUANGLIN DIFEN NEW MATERIAL TECHNOLOGY CO.,LTD. OUTPUT SMOOTHLY**

Recently, the first batch of formaldehyde-free plywood & LVL manufactured by the brand new automatic continuous flat-pressing production line project at Chongzuo Guanglin Difen New Material Technology Co., Ltd. which is invested by Guangxi Guangtou Forestry Development Investment Fund, output smoothly. The annual capacity of the project will up to 210,000m³ positively. In the project, Mingke supplies upper & lower MT1650 stainless steel belts for the Dieffenbacher-SWPM CPS+ double belt press.



Source: <https://www.mingkebelts.com/news/the-first-batch-of-formaldehyde-free-plywood-lvl-manufactured-by-chongzuo-guanglin-difen-new-material-technology-co-ltd-output-smoothly/>

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