



ENVIRO BOARD CORPORATION



Enviro Board Corporation developed a cost effective, ecologically sound waste management solution to the problem of how to economically dispose of agricultural waste such as rice, wheat or rye straw. The Company patented a fiber processing technology to produce low cost building panels for use in a wide variety of construction projects.

Capitalizing on the available supply of product to produce building panels, Enviro Board Corporation is gearing up to meet the demands of the construction industry with its economical building panels, door cores, office partitions and sound walls.

Environmental Benefits

Until recently, incineration has been the only economically feasible solution for disposing of waste products for the grower. Incineration results in significant amounts of both carbon dioxide and solid waste particulates expelled into the atmosphere. These emissions have been identified as causing numerous health related problems while contributing to "Global Warming" according to the United Nations Framework Convention on Climate Change. Enviro Board technology greatly reduces the amount of agricultural waste burned each year. Burning causes massive CO² (Carbon Dioxide) to be emitted into the earth's atmosphere.

Commercial Uses

- roofing;
- Soundwall panels—freeway use, sound studios, clubs;
- Other—Office partitions; Door cores; Insulation.

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***Patented technology recycles agricultural waste
into environmental building materials***



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The Enviro Board Mill

The patented Enviro Board mill contains a semi-automatic fiber extrusion process that compresses (under 35,000 lb. of pressure) agricultural waste fiber such as; wheat straw, sugar cane, rice straw, elephant grass, rye straw, oat straw, barley straw and many more varieties into a dense fiber panel. Built with no hydraulics the mill itself may be operated by as few as five low-skilled laborers. Each Mill Can produce over 600 (32" x 8') panels per day and consumes over 21 tons of waste straw each day.

The Enviro Board Panel

As a panel is extruded through the mill process it is covered with a durable waterproof paper membrane, cut to desired lengths and then end-capped in a continual operation. Lengths may vary according to the application up to 24 feet in length, one to four inches thick, with a typical of width of 32 inches. The weight of a panel 32"x96" x 2" is approximately 70 lbs.

CO₂ Credits

Enviro Board Panels qualify under the CO₂ credits available through a United Nations program (as developed through the Kyoto Protocol on emission trading). World Bank will pay owner of the mill CO₂ credits for every ton of straw used by the mill. ICSD will assist the owner in obtaining the CO₂ credits.

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安万能板公司



如想获得更多资料，请联络国际可持续发展中心：
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针对如何经济的处理农业废料，如大米、小麦和黑麦麦秆的难题，安万能板公司成功研制了一个效益高、符合生态要求的农业废料管理办法。应用本公司的专利纤维处理技术生产的低成本建筑板材可以用于许多各种类型的建筑工程项目。

安万能板公司的目标是通过利用现有的产品制造的建筑板材，来满足建筑行业对经济型建筑板材、门板、办公室分隔和隔音墙的需求。

环境效益

直到最近，燃烧一直是农民处理废料唯一经济可行的办法。燃烧产生的大量二氧化碳和固体废料微粒排放到大气里，对环境造成很大的污染。而二氧化碳已被联合国气候变化的框架会议证明是造成许多疾病和全球变暖的主要原因。安万能板技术极大的减少了每年燃烧的农业废料量，从而减少二氧化碳的排放量。

商业用途

- 建筑板材—墙、地板、天花板、屋顶板；
- 隔音墙板—公路隔音板、录音室墙、歌舞厅墙板；
- 其它—办公室隔板、门板、隔温板

循环利用农业废料，制造建筑材料的专利技术



安万能板公司



安万能板压制机

拥有专利的安万能板压制机包括一个半自动的压制小麦秆、甘蔗秆、大米秆黑麦秆、燕麦秆和大麦秆等众多农业废料的纤维挤压过程（小于16000公斤的压力）。该压制机无须液压泵，只需五个左右的一般工人即可操作。每台压制机每天可以生产大约600块（81厘米 X 2.4米）的板材，消耗大约21吨的废稻草。

安万能板

当板材从压制机里挤压出来的时候，一层耐用防水纸会包盖整块板材，然后裁成合适的尺寸即可制成成品。整个过程连贯，板材的长度可以长达8米，厚度达2.5~10厘米，一般宽度为81厘米。一块81厘米 X 2.4米 X 5厘米的安万能板重约32公斤。

二氧化碳效益

安万能板符合联合国的二氧化碳回报项目（参见京都条约关于排放贸易的条约）。世界银行会向压制机的所有者以每吨用该压制机处理的稻草的比率来发放二氧化碳回报款。国际可持续发展中心将协助所有者获得这些款项。

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