

## Rice Straw Eco Panel Recycling System

Customized services for  
renewable energy

## 擁泉科技

FOUNTAIN HITECH  
CORPORATION



## About Fountain Hitech Corporation

Fountain Hitech Corporation entered the circular economy industry sector in 2005. By 2018, Fountain Hitech owns core technologies of resources transferred from waste and renewable energy, and by combining relevant equipment and technologies of partner corporations, it then integrates various solutions of production systems within the hydrogen energy, hazardous waste, agricultural, recycled water and organic fertilizer sectors. By grasping the spirit of social enterprises, Fountain Hitech could customized the “turn-key transfer” business model, servicing governments and non-governmental organizations worldwide, in order to achieve the vision of proactively processing waste and protecting the global ecology.

## Product Introduction

### Rice Straw Eco Panel Recycling System

The development of building material technologies have always been centered on 3 main fiber materials, grain straw (Wheat, Straw), bagasse, wood materials or wood chips that contains chemical resins and adhesives. Fountain Hitech uses straw from agricultural waste, and gather the cellulose, hemicellulose and lignin from the straw itself to undergo polymerization, without the addition of chemical adhesives. Afterwards, the company applies continuous high pressure molding process to manufacture green building materials that is fireproof, noise absorption, heat insulation, high bearing capacity, light weight and environmentally friendly.

### Eco Panel Recycling System



Specification	Thermal Conductivity	Thermal Resistance	Vapor Resistance	Fire Resistance	Volatile Organic Compounds	Density
Eco panel E40&E60	0.102 W/mK	0.5882 m <sup>2</sup> KW	9.7	E	A+	560 kg/m <sup>3</sup>

## Product Characteristics

The eco panel does not add any chemical agent during the environmentally friendly production process, but also fulfills the various advantages of high quality green building materials. See below for details:



#### Sound Absorption and Noise Reduction

Natural plant fiber, sound absorbing and noise reduction material



#### High Bearing Capacity

Could withstand the bearing capacity of the car weight



#### Thermal Insulation

Effectively isolate the cold and heat, so that it would be warm in winter and cool during the summer



#### Fire Protection (will not ignite)

Could effectively prevent fire and will not ignite

