

# SANJEEVAK CARBONISATION SYSTEMS



ORGANIC RECYCLING  
SYSTEMS LIMITED

CLEANTECH | INNOVATION | ENGINEERING

TRANSFORMING BIOMASS.  
CULTIVATING SUSTAINABILITY.  
EMPOWERING CIRCULARITY.



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# "SANJEEVAK CARBONISATION SYSTEMS (SCS) CONVERTS BIOMASS WASTES FROM VARIOUS TEMPLES, FARMS & CROP PROCESSING UNITS INTO CHARCOAL"

## What does the system do ?

Sanjeevak Carbonisation System (SCS) is biomass-to-charcoal conversion system. It transforms biomass waste generated into high-quality charcoal. This process minimizes environmental impact while maximizing resource utility.

## What is Carbonisation ?

Carbonisation is a transformative process that converts organic materials, such as agricultural waste or biomass, into valuable charcoal. This is achieved through controlled heating in a specialized chamber, which drives off volatile compounds, leaving behind carbon-rich residue.

## BENEFITS OF SCS



### Efficient Carbonization

Employs an advanced carbonization process that maximizes the conversion of biomass into high-quality charcoal, ensuring optimal resource utilization.



### Low Emissions

Emission control systems, enables our the process to minimize environmental impact



### Process Control

Ensures precise process controls such as temperature and uniform heat distribution for consistent and high-quality results.

## GET IN TOUCH

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Navi Mumbai - 400705..





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# BIOMASS TO CHARCOAL

## UNLOCKING THE TRUE VALUE OF BIOMASS

Discover how our advanced carbonization technology transforms biomass waste into a valuable resource.

### Is this process Sustainable ?

Our process is sustainable due to its utilization of waste biomass, which would otherwise go unused. The process releases fewer greenhouse gases and promotes renewable resource use. Our process contributes to circularity, making it an eco-friendly and sustainable practice.



### Applications of Charcoal



Fuel for Fireplaces, Barbecues, and More



Raw material for the production of activated carbons.



Tablets, medicines, suppositories due to its adsorptive properties



For making incense sticks and dhoop sticks

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Coffee bean shell

Walnut shell

Date Seeds

## Which materials can be transformed into charcoal ?

Wide range of biomass materials can be converted into charcoal. Cellulose, hemicellulose, and lignin, the carbon-rich organic compounds within the biomass get converted into charcoal. Shells from nuts like coconut, cashew nut, walnut and even date seeds are rich sources of biomass for charcoal production. It's important to note that the choice of biomass material can impact the quality and characteristics of the resulting charcoal. Different materials may require specific processing techniques and conditions for optimal conversion.

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