



VEERA GROUP

BIO CHAR & CHARCOAL CARBONIZATION MACHINE



Agro-Waste Carbonization: The Smart Conversion Processor

Manufacturing & Export

Under Veera Biopower, we manufacture and export advanced biomass-to-biochar carbonization machines, designed for efficiency and global standards.



Wide Agro-Waste Compatibility

Our machines process all types of agro-waste—sawdust, coconut shell, wood barks, leaves, grass, and other biomass—converting them into high-quality carbon with consistent output.

Multiple End-Use Applications

The produced biochar and carbon are ideal for heating, farming, water purification, and soil improvement, supporting sustainable and eco-friendly operations.



Carbon Credit Opportunity

What is a Carbon Credit?

A Carbon Credit is a certificate that represents the reduction or removal of 1 metric ton of carbon dioxide (CO₂) or equivalent greenhouse gases from the atmosphere.

In simple terms:

If a company or project reduces pollution, it earns carbon credits.

These credits can be sold to industries that need to offset their emissions. Carbon credits help fight climate change while creating financial value from sustainability.

How Carbon Credits Work

- A project reduces carbon emissions (biochar, renewable energy, waste conversion, etc.)
- Emission reduction is measured & verified
- Carbon credits are issued
- Credits are sold in carbon markets
- Buyers use them to offset their emissions

Environmental Value

- Reduces greenhouse gas emissions
- Supports climate change mitigation
- Promotes sustainable and eco-friendly technologies
- Converts waste into environmental assets

Financial Value

- Creates additional revenue streams
- Turns carbon reduction into monetizable credits
- Improves project profitability
- Attracts green investors and ESG funding

Business & Industry Value

- Helps industries meet carbon neutrality goals
- Supports compliance with global emission standards
- Enhances brand reputation as a green business
- Future-ready solution for carbon regulations

Sustainability Value

- Encourages circular economy practices
- Long-term carbon sequestration (especially biochar)
- Supports low-carbon industrial growth
- Aligns with global sustainability goals



ABOUT US

Sakthi Veera Green Energy Pvt. Limited now bannered under Veera Group are pioneers in manufacturing waste to energy sustainable machineries. Since 2013 we have successfully served over 53+ countries and provided access to the most simple, sustainable, easy to use and most affordable machine technology to produce energy from any form of waste. Being an *ISO 9001-2015; 14001-2015 and CE certified organization*, our main range of machines are waste oil to diesel/base oil distillation, biomass gasification, biochar machines and energy saving cooking machines.

Veera Group has locations in both India and Africa and aim to keep expanding our network to help create the most sustainable energy economy.



VISION

To empower entrepreneurs through our innovative technologies that are simple, affordable, sustainable, and commercially viable.



MISSION

To forefront decentralized small-scale sustainable machine technologies for energy generation from any and all forms of wastes

BIOCHAR / CHARCOAL HORIZONTAL DRY CARBONIZATION SYSTEM - BATCH

High efficiency batch carbonization system designed for industrial biochar and charcoal production. The system operates on anaerobic dry distillation technology with recovered carbonization gas reused for self heating, ensuring high yield, low fuel consumption, and environmentally friendly operation



VEERA BP 200 SC - Mini \$ 2600USD

APPLICATIONS

- SMALL UNIT CHARCOAL PRODUCTION
- RAW MATERIAL - WOOD LOGS, COCONIT SHELL, BRIQUETTES
- BBQ CHARCOAL MANUFACTURING

Technical Specifications

Parameter	Specification
Machine Type	BATCH TYPE - CHARCOAL MACHINE
Model	BP 200 Semi Continuous - Horizontal Type
Carbonization Method	Anaerobic Dry Distillation
Operating Temperature	300 – 550 °C
Internal Furnace Volume	0.3 m ³
Raw Material Input	≈ 600 kg / day
Charcoal / CHARCOAL Output	≈ 200 kg / day
Batch Cycle Time	3 -4 hours
Batches per Day	Up to 3
Operating Pressure	Atmospheric
Power	-

BIOCHAR / CHARCOAL HORIZONTAL DRY CARBONIZATION SYSTEM - BATCH

High efficiency batch carbonization system designed for industrial biochar and charcoal production. The system operates on anaerobic dry distillation technology with recovered carbonization gas reused for self heating, ensuring high yield, low fuel consumption, and environmentally friendly operation



VEERA BP 1600 SC

\$ 6500USD

APPLICATIONS

- INDUSTRIAL CHARCOAL PRODUCTION
- BIOCHAR FOR AGRICULTURE AND SOIL IMPROVEMENT
- BBQ CHARCOAL MANUFACTURING
- ACTIVATED CARBON RAW MATERIAL

Technical Specifications

Parameter	Specification
Machine Type	Batch Type Biochar / Charcoal Machine
Model	BP 1600 Semi Continuous - Horizontal Type
Carbonization Method	Anaerobic Dry Distillation
Operating Temperature	300 – 550 °C
Internal Furnace Volume	≈ 7.08 m ³
Raw Material Input	≈ 3.8 tons/day
Charcoal / Biochar Output	≈ 1,200 kg/day
Batch Cycle Time	5.5 – 9.5 hours
Batches per Day	Up to 3
Operating Pressure	Atmospheric
Power	1 KWV - Optional

BIOCHAR / CHARCOAL HORIZONTAL DRY CARBONIZATION SYSTEM - BATCH

High efficiency batch carbonization system designed for industrial biochar and charcoal production. The system operates on anaerobic dry distillation technology with recovered carbonization gas reused for self heating, ensuring high yield, low fuel consumption, and environmentally friendly operation

VEERA BP 3100 SC
\$ 12000USD



APPLICATIONS

- INDUSTRIAL CHARCOAL PRODUCTION
- BIOCHAR FOR AGRICULTURE AND SOIL IMPROVEMENT
- BBQ CHARCOAL MANUFACTURING
- ACTIVATED CARBON RAW MATERIAL

Technical Specifications

Parameter	Specification
Machine Type	Batch Type Biochar / Charcoal Machine
Model	BP 3100 Semi Continuous - Horizontal Type
Carbonization Method	Anaerobic Dry Distillation
Operating Temperature	300 – 550 °C
Internal Furnace Volume	≈ 15.30 m ³
Raw Material Input	≈ 8 tons/day
Charcoal / Biochar Output	≈ 2,600 kg/day
Carbonization Time	≈ 12 hours per batch
Batches per Day	2
Operating Pressure	Atmospheric
Power	2 KWV - Optional

BIOCHAR / CHARCOAL HORIZONTAL DRY CARBONIZATION SYSTEM - CONTINUOUS

High efficiency batch carbonization system designed for industrial biochar and charcoal production. The system operates on anaerobic dry distillation technology with recovered carbonization gas reused for self heating, ensuring high yield, low fuel consumption, and environmentally friendly operation



VEERA BP 100 C

(pipe reactor model)

(Drum reactor model)

MS material -16000usd

MS material- 24000usd

SS material -26000usd

SS Material- 33000usd

Technical Specifications

Parameter	Specification
Machine Type	Batch Type Biochar / Charcoal Machine
Model	BP 100 Continuous - Horizontal Type
Carbonization Method	Anaerobic Dry Distillation
Operating Temperature	300 – 550 °C
Electrical Power	≈ 10 KWV
Raw Material Input	≈ 400kg / hr - Any Biomass
Charcoal / Biochar Output	≈ 100kg / hr Additional - Bio oil, Bio vinegar
Heating Type	Electric, LPG, Diesel & Pellet Burner
Continuous Per Day	2.4 ton
Operating Pressure	Atmospheric
Biomass Moisture	upto 30%

BIOCHAR / CHARCOAL HORIZONTAL DRY CARBONIZATION SYSTEM - CONTINUOUS

High efficiency batch carbonization system designed for industrial biochar and charcoal production. The system operates on anaerobic dry distillation technology with recovered carbonization gas reused for self heating, ensuring high yield, low fuel consumption, and environmentally friendly operation



VEERA BP 200 C

(pipe reactor model)

(Drum reactor model)

Ms material -25000usd

Ms material- 34000usd

SS material- 33000usd

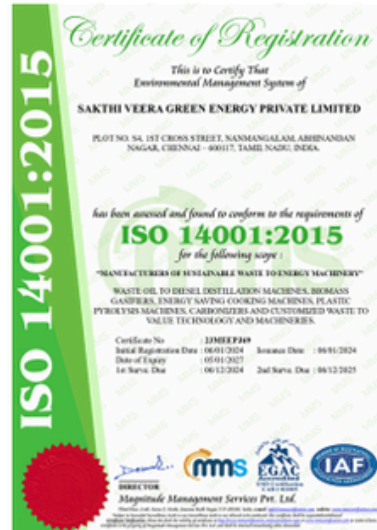
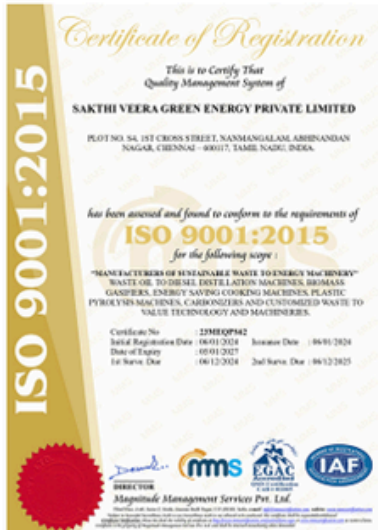
SS Material- 44000usd

Technical Specifications

Parameter	Specification
Machine Type	Batch Type Biochar / Charcoal Machine
Model	BP 200 Continuous - Horizontal Type
Carbonization Method	Anaerobic Dry Distillation
Operating Temperature	300 – 550 °C
Electrical Power	≈ 15 KWV
Raw Material Input	≈ 800kg / hr - Any Biomass
Charcoal / Biochar Output	≈ :200kg / hr, Additional - Bio oil, Bio vinegar
Heating Type	Electric, LPG, Diesel & Pellet Burner
Continuous Per Day	4.8 ton
Operating Pressure	Atmospheric
Biomass Moisture	upto 30%

Veera Group Certificates

Sakthi Veera Green Energy Pvt.Ltd maintains high standards of International quality and environment management systems aligned with European Product standards



Terms & Conditions

For all our systems

1. 70% interest free advance upon order confirmation
2. Balance 30% at the time of delivery ready status
3. Delivery time 6-12 working weeks accounted from date of receiving advance payment (might vary based on model and customization)
4. One-year warranty period
5. Tax and transport as actuals
6. All prices are on an Ex-Works basis



100% GUARANTEED MONEY BACK !

When you order with VEERA you are guaranteed not only on the quality and functionality of our range of waste to energy machines but also on their safe and timely delivery as promised.

We assure you **100% MONEY BACK** if the machine is not ready-to-ship within our stated timeline. **NO QUESTIONS ASKED !**

At VEERA we sign SALES AGREEMENTS adept to global standards with each of our clients. To ensure all terms and conditions are met with utmost precision and care. Our clients are aware of any potential risks and provide 100% MONEY BACK policy for all of our clients.



SCAN HERE TO VIEW
sales agreement

VEERA GROUP WILL ASSIST WITH CARBON CREDIT SUPPORT.



sales@veerabiopower.com



www.veeragroup.net



+91-9952258626

Let's Get In Touch Soon !

Our Locations



SAKTHI VEERA GREEN ENERGY PVT LTD, India
FlatS4,1stCrossSt,VijayalakshmiNagar,Abhinandan Nagar, Nanmangalam, Ullagaram, Chennai, Tamil Nadu 600117



SAKTHI VEERA POWER AFRICA LIMITED, Zambia
4630 Jacaranda Villa, Ndola, Ndola Copperbelt Province Zambia



SAKTHI VEERA AFRICAN EMPOWERMENT COMPANY LIMITED, Kenya
PO Box 10201, Tom Mboya St, Nairobi Embakasi, Kenya

SCAN for Whatsapp and Check out our Videos and Client Testimonials on our Youtube Channel



@VeeraGroup.wastetoenergy
@VeeraBiopower

GRATEFULLY