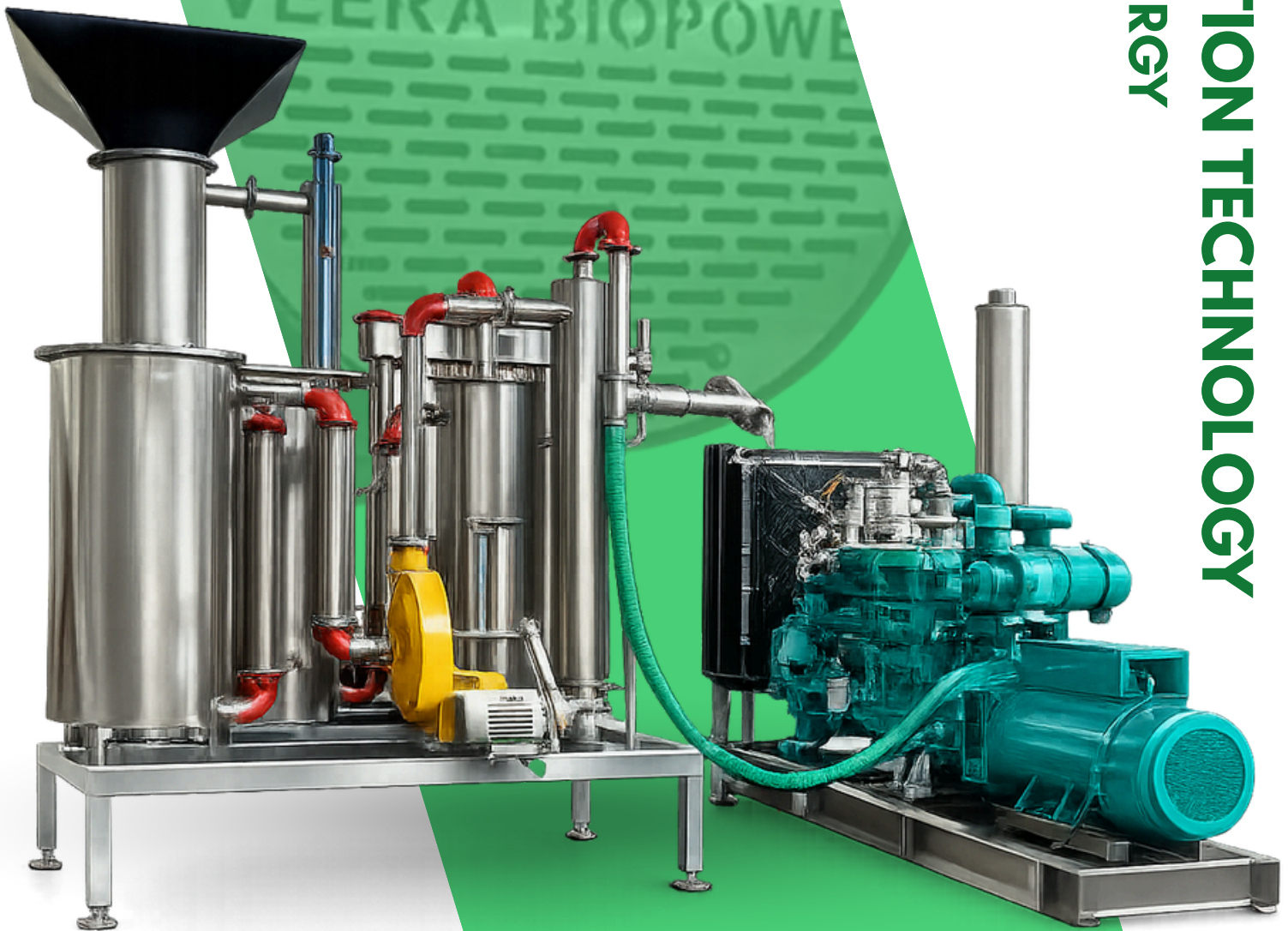




VEERA GROUP

BIOMASS GASIFICATION TECHNOLOGY BIOMASS WASTE TO ENERGY



Sustainable Energy Recovery with Proven Technology

Manufacturing & Export

Under Veera Biopower and Veera PowerAfrica brands, we manufacture and export advanced biomass gasifier systems, engineered for efficient conversion of solid biomass into clean producer gas. Our gasifiers are designed for high efficiency, operational reliability, and compliance with global standards, supporting sustainable and renewable energy generation worldwide.



Wide Biomass Feedstock Compatibility

Our gasifier machines efficiently process a wide range of biomass materials, including wood chips, agro-residues, coconut shells, sawdust, rice husk, and other organic waste. These feedstocks are converted into consistent, high-calorific producer gas for energy applications.

Multiple End-Use Applications

The generated producer gas is suitable for use in power generation, industrial heating, boilers, furnaces, dryers, and thermal applications. This ensures reliable energy output while reducing fossil fuel dependency and promoting renewable, low-carbon energy solutions.





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

BIOMASS GASIFICATION TECHNOLOGY - DOWNDRAFT

BIOMASS WASTE TO ENERGY

A standard continuously operated gasifier unit converting biomass to power generation Proprietary technology with air pre-heating that yields Carbon monoxide (>22%), Hydrogen (>18%), Methane (>5%), Carbon dioxide (<11%) and remaining Nitrogen (TAR FREE) The produced uncondensed gas can directly be used for gas generation or any heating application. Highly advantageous temperature indicator and remote monitoring facility controllable through mobile phone.

Our Master Series- Lab Scale 2KW - 5KW



Veera G10
\$ 9700 USD

Technical Specifications

Parameter	Specification
Machine Type	Down Draft
Model	Veera G10 - Lab Scale
Capacity	10Kw
Coal Generated	3-6% depending on biomass
Feedstock Moisture / Size	< 15% / Upto 50mm
Raw Material Input	12-14 kg/hr
Gas yield	25 - 30 m ³
Gasification temp (°C)	950 - 1150 °C
Gasification Efficiency (%)	60 to 75%
Average Calorific value of output (kcal/nm3)	>1100
Start - Up / Ash removal	Manual
Biomass feeding mode	Manual

BIOMASS GASIFICATION TECHNOLOGY - DOWNDRAFT

BIOMASS WASTE TO ENERGY

A standard continuously operated gasifier unit converting biomass to power generation Proprietary technology with air pre-heating that yields Carbon monoxide (>22%), Hydrogen (>18%), Methane (>5%), Carbon dioxide (<11%) and remaining Nitrogen (TAR FREE) The produced uncondensed gas can directly be used for gas generation or any heating application. Highly advantageous temperature indicator and remote monitoring facility controllable through mobile phone.

Our Master Series



Veera G20
\$ 11000 USD

Technical Specifications

Parameter	Specification
Machine Type	Down Draft
Model	Veera G20 - Lab Scale
Capacity	20Kw
Coal Generated	3-6% depending on biomass
Feedstock Moisture / Size	< 15% / Upto 50mm
Raw Material Input	20 - 28 kg/hr
Gas yield	40 - 45 m ³
Gasification temp (°C)	950 - 1150 °C
Gasification Efficiency (%)	60 to 75%
Average Calorific value of output (kcal/nm3)	>1100
Start - Up / Ash removal	Manual
Biomass feeding mode	Manual

BIOMASS GASIFICATION TECHNOLOGY - DOWNDRAFT

BIOMASS WASTE TO ENERGY

A standard continuously operated gasifier unit converting biomass to power generation Proprietary technology with air pre-heating that yields Carbon monoxide (>22%), Hydrogen (>18%), Methane (>5%), Carbon dioxide (<11%) and remaining Nitrogen (TAR FREE) The produced uncondensed gas can directly be used for gas generation or any heating application. Highly advantageous temperature indicator and remote monitoring facility controllable through mobile phone.

Our Master Series



Veera G50
\$ 19000 USD

Technical Specifications

Parameter	Specification
Machine Type	Down Draft
Model	Veera G40 - Lab Scale
Capacity	40Kw
Coal Generated	3-6% depending on biomass
Feedstock Moisture / Size	< 15% / Upto 50mm
Raw Material Input	40-48 kg/hr
Gas yield	80 - 85 m ³
Gasification temp (°C)	950 - 1150 °C
Gasification Efficiency (%)	60 to 75%
Average Calorific value of output (kcal/nm3)	>1100
Start - Up / Ash removal	Manual
Biomass feeding mode	Manual

BIOMASS GASIFICATION TECHNOLOGY - DOWNDRAFT BIOMASS WASTE TO ENERGY

A standard continuously operated gasifier unit converting biomass to power generation Proprietary technology with air pre-heating that yields Carbon monoxide (>22%), Hydrogen (>18%), Methane (>5%), Carbon dioxide (<11%) and remaining Nitrogen (TAR FREE) The produced uncondensed gas can directly be used for gas generation or any heating application. Highly advantageous temperature indicator and remote monitoring facility controllable through mobile phone.

Our Master Series - CANOPY MODEL



Veera GCP -50
\$ 20500 USD

Technical Specifications

Parameter	Specification
Machine Type	Down Draft
Model	Veera GCP -50
Capacity	50Kw
Coal Generated	3-6% depending on biomass
Feedstock Moisture / Size	< 15% / Upto 50mm
Raw Material Input	50-60 kg/hr
Gas yield	80 - 85 m ³
Gasification temp (°C)	950 - 1150 °C
Gasification Efficiency (%)	60 to 75%
Average Calorific value of output (kcal/nm3)	>1100
Start - Up / Ash removal	Manual
Biomass feeding mode	Manual

BIOMASS GASIFICATION TECHNOLOGY - DOWNDRAFT

BIOMASS WASTE TO ENERGY

A standard continuously operated gasifier unit converting biomass to power generation Proprietary technology with air pre-heating that yields Carbon monoxide (>22%), Hydrogen (>18%), Methane (>5%), Carbon dioxide (<11%) and remaining Nitrogen (TAR FREE) The produced uncondensed gas can directly be used for gas generation or any heating application. Highly advantageous temperature indicator and remote monitoring facility controllable through mobile phone.

Our Master Series - Container Model



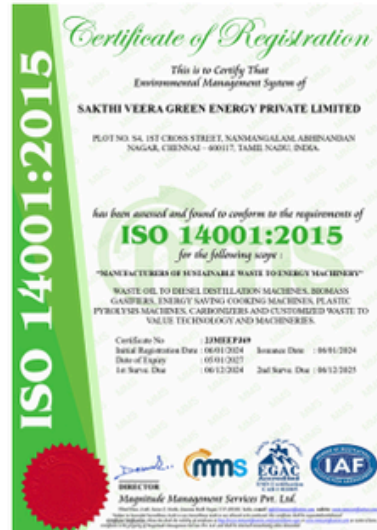
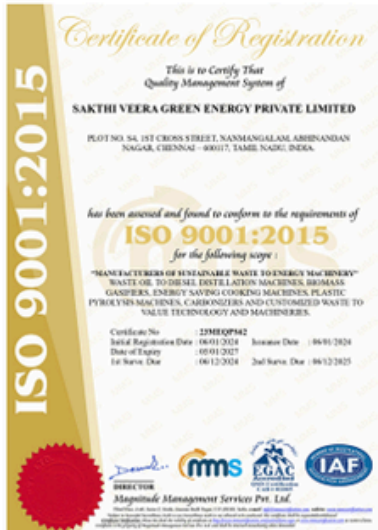
Veera GC 150
\$ 42000 USD

Technical Specifications

Parameter	Specification
Machine Type	Down Draft
Model	Veera GC 150
Capacity	150 kW
Coal Generated	3-6% depending on biomass
Feedstock Moisture / Size	< 15% / Upto 50mm
Raw Material Input	180 to 210 kg/hr
Gas yield	390 to 450 m ³
Gasification temp (°C)	950-1150 ° C
Gasification Efficiency (%)	60 to 75%
Average Calorific value of output (kcal/nm3)	>1100
Start - Up / Ash removal	Manual
Biomass feeding mode	Manual

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

THANK YOU



sales@veerabiopower.com



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Let's Get In Touch Soon !

Our Locations



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



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