



48⁺ Years
Of experience

BIOCHAR PROCESSING FROM WOOD



In Association with SVCH-Technologii, Moscow (Russia)

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

ABOUT US

KERONE is now renowned for serving the specialized needs of customers with the best quality and economical process of application engineering solutions and industrial heating products manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)



KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.



KERONE is devoted to serve the industry to optimize its operations both economically and environmentally with its specialized process engineering solutions.



KERONE is having immense expertise in manufacturing and implementing various types of engineering solutions.



KERONE is possessing employee strength of more than 280+ experts continuously putting efforts for happy industrial engineering solutions



48+ Years Manufacturing Excellence



Great Sale Support



Highly Customized Product



Adherence to Standards



Sound Infrastructure



Team of experts Delivering Quality



Timely Delivery



Cost Effective Solutions

WHY CHOOSE US

"Choose Kerone for innovative solutions tailored to your unique product needs, ensuring efficiency, reliability, and unmatched quality."

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made Applications Engineering solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique Applications Engineering needs. Choose Kerone Engineering for reliability, performance, and unmatched value.

MISSION



To enhance the value of customer operation through our customer need centric engineering solution.



We are committed to providing our customers with unique and best-in-class products in the industrial thermal processing segments. Through strategic tie-ups for technical know-how with renowned leaders in industry-specific segments, we ensure that our offerings meet the highest standards of quality and innovation.

VISION



Turn into a world leader in providing specialized, top-notch quality and ecological industrial heating, cooling, and drying solutions across the globe.



To attain global recognition as the best of quality and environment-friendly engineering solution company.



Enhance the value of customer operation through our customer need centric engineering solution.



TRUSTED PARTNERS





Biochar Processing From Wood

At the heart of our operations lies the expertise in converting wood biomass into premium biochar through cutting-edge, eco-conscious methodologies, ensuring a meticulous transformation within our innovative facilities. Sustainability serves as our guiding principle, meticulously integrated from sourcing to delivery, as we prioritize waste and emission reduction, fostering a circular economy ethos. The significance of biochar transcends its creation; it holds the key to enhancing soil fertility, water retention, and microbial activity, thereby championing sustainable food production and environmental remediation through carbon sequestration.

Spearheading sustainable resource utilization, we relentlessly pursue novel applications for biochar via ongoing research and development endeavors, catalyzing global change and shaping a future where innovation seamlessly harmonizes with nature to the benefit of all. We invite you to embark on this transformative journey with us, as we redefine sustainability and pave the way towards a greener, more harmonious future.

Features

- Destruction of all pathogens.
- Batch processing with 13 and 30 m³ internal volume per batch.
- Batch processing takes a few hours (normally 4–6 hrs. per batch)
- Targeted temperature range can be selected (300–550 °C).
- Very low to zero smoke emissions.
- Unit operates itself after loading with auto-turn off at end of run, and can be operated unattended.
- High-quality char product with a very high fixed carbon content.
- Easily transportable unit with access to most remote areas.
- Pyrolysis converts biomass to 1–2.5 tons of biochar per batch.

Advantages

- Renewable resource
- Carbon sequestration
- Soil fertility
- Water retention
- Waste reduction
- Eco-conscious processing
- Circular economy
- Versatility
- Long-term soil health
- Local economic development

Application

- Soil amendment for enhanced fertility and water retention.
- Carbon sequestration to mitigate climate change.
- Environmental remediation by adsorbing pollutants.
- Livestock feed additive for improved digestion and health.
- Sustainable waste management solution for wood biomass.
- Renewable energy source through pyrolysis or gasification.

Technical specifications

Equipment model classification	KESL-1	KESL-2	KESL-3
Pipe diameter (mm)	Ø800*1200	Ø1000*1600	Ø1200*2000
Equipment output (kg/h)	400-500	600-800	800-1000
Cooling charcoal machine motor power (kw)	3	3	3
Screw feeder motor power (kw)	3	3	3
Burner(s)	1	1	2
Liquefied gas burner (pcs)	8	8	8
Auxiliary burner (pcs)	1	1	1
Furnace temperature (°C)	350-800	350-800	350-800
Working temperature of high temperature carbonization pipeline (°C)	500-800	500-800	500-800
Fan power (kw) frequency conversion speed regulation	7.5	11	15
Continuous carbonization machine main engine power (kw) speed regulation	4	5.5	7.5

OUR CLIENTS









THANK YOU

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