LabhGroup

Empowering Business
Transforming World!



Global Leader in Providing Next Generation Waste Management Solution to Various Industries!

www.labhgroup.com

Presenting

Biochar Production Plant

LabhGroup

30+ Years of Rich Experience | **100+** Countries Global Presence | **10000+** Delighted Customers

Biochar Production Plant



Environmental & Waste Management Machines Division

Global Leader in Next Generation Environmental & Waste Management Plant & Machinery

ISO 9001:2015 CERTIFIED | ISO 14001:2015 CERTIFIED | European Coformity CE Certified Products | GMP Quality | Executive Member FIEO Federation of Indian Export Organizations

Technical Specifications

Particular	Specifications
Name	Biochar Production Plant
Input Capacity	500 kg/h
Output Products	Biochar, Bio-oil, Syngas
Pyrolysis Temperature	400-600°C
Power Consumption	30 kW
Feedstock Moisture Content	Up to 30%
Biochar Yield	25-35% based on feedstock
Bio-oil Yield	30-50% based on feedstock
Gas Composition	H2, CO, CH4, and other light hydrocarbons
Raw Material	Wood chips, crop residues, organic waste etc.
Main Motor	Siemens – Japan or equivalent
Gear Box	Bonfiglioli – Italy or equivalent

Switch Gears	Schneider – France or equivalent
Working Hours	24 hours per day
Power Supply	440 Volts, 50 Hz, A.C., Three phase with neutral (can also be designed as per specific requirement)
Note	Exact specifications may vary and shall be made available upon specific request.

Salient Features

- Designed to convert organic biomass materials into valuable biochar, bio-oil, and syngas through a high-temperature, oxygen-free process known as pyrolysis
- Effectively reduces waste and provides sustainable alternatives for energy production and soil enhancement
- Capable of processing diverse biomass materials with different moisture contents
- Produces premium biochar for soil enhancement and high-grade bio-oil for fuel applications
- Built with durable materials to withstand extreme temperatures and corrosive environments
- Aesthetically and ergonomically build machine for best performance
- Produced in an advanced state of the art manufacturing facility
- World class bought out items for optimum operations
- Designed to work 24 hours, round the clock
- Operator friendly machine, hence easy to operate and maintain
- Low maintenance and operating cost
- Sturdy design to ensure long life and trouble-free operation

Send your inquiry now

About Labh Group

Labh Group is a global engineering and technology-driven industrial conglomerate with headquarter in India. We provide complete end-to-end next-generation smart, innovative turn-key solutions to diverse industries across the globe. With **30+ years** of rich experience and presence in **100+ countries**, we have helped **10000+ customers** to excel and outperform in their industry.

Leveraging over an experience of around three decades, we continuously reinvent to help our customers achieve better results and create a more sustainable world for our current and future generations.

Living by our core values of excellence, respect, care and joy, we at Labh Group are committed to provide best advice, best quality products, at the best price with the best service, always!

We help our customers write their future!
We are LabhGroup!



(Click to watch our corporate video)

8 Outstanding benefits our customers enjoy



1. Expert guidance

Get the best advice from our experts to help you make the right decision



2. Complete turn-key Solutions

Our state of the art end to end one stop 360 turn-key solutions for smooth execution



3. Most competitive price

Very reasonable price for a long term win-win partnership



4. Best quality machines

Optimally designed high quality machines for best performance and long working life



5. Installation & Commissioning

Smooth and perfect installation by our expert technician at your site



6. Automation and upgradation

Increase productivity & profitability with our advanced technology



7. Knowledge Sharing

Stay ahead of your competitors with our latest industry development and trend mailers



8. Lifetime Support

Prompt and efficient after-sales support by our dedicated technical team through email, call or site visit

Our Global Presence



30+
Years of rich experience

100+
Countries - Global presence

10000+
Delighted customers

Get In Touch

LabhGroup

Corporate office

Address: Labh Group of Companies

4th Floor, Sarthik Square, Pakwan Cross Road,

S. G. Highway, Ahmedabad – 380054, India.

Phone: +91-79-66611888, 66611999

E-mail: sales@labhgroup.com

Working hours:

Monday to Friday - 9:30 am to 6:30 pm (IST)

Connect with us on:

www.labhgroup.com

Disclaimer: Information provided here are for illustration purpose only and may not be actual representations. We reserve the right to change or discontinue specifications and designs shown in this brochure without notice or recourse.