LabhGroup

Empowering Business
Transforming World!



Global Leader in Providing Next Generation Turnkey Solution to Environmental & Waste Management Industries!

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Presenting

Waste Tyre Pyrolysis Plant

LabhGroup

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

Waste Tyre Pyrolysis Plant



Enviromental & Waste Management Machines Division

Global Leader in Next Generation Enviromental & 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

Particulars	Specifications
Name	Waste Tyre Pyrolysis Plant
Function	To recycle waste rubber tyres
Capacity	Up to 20 ton per day
Raw Material	Waste tyre chips
Raw Material Size	5 to 25 mm steel free wire
Cooling Water (Evaporating Loss)	500 Litre Day
De-dusting Water (Consumption Loss)	1000 Litre per day
Final Product	Pyrolysis oil, carbon black powder, pre-processed steel wire
Status of Slag	Carbon and flash
Tyre Pyrolysis Oil Content	40 % to 42 %
Carbon Black Powder Content	30 % to 33 %
Area Requirement	Approx. 3000 Square meter

Main Motor	Siemens – Japan or equivalent
Programmable Logic Controller (PLC)	Omron – Japan or equivalent
Human Machine Interface (HMI)	Omron – Japan or equivalent
Digital Temperature Controller	Omron – Japan or equivalent
Variable Frequency Drive	Delta – Taiwan or equivalent
Gear Box	Bonfiglioli – Italy or equivalent
Switch Gears	Schneider – France or equivalent
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

- Reactor has 360 Degree outside rotating system which allows it to heat proper way so it has long life
- Spiral Flats are designed in to the reactor which helps running the material by its inner wall
- Reactor and feeder system adopts frequency drive (VFD) to adjust the retention time of raw material in the reactor according to the pyrolysis
- Flue gas after combustion is treated by dual wash scrubber system as per environment standards
- With dual air lock valve system to control the pressure of gas during the process, where it will help to input raw material continuously
- Inspected on various characteristics so as to ensure its compliance with the industry laid norms
- Aesthetically and ergonomically build machine for best performance
- Efficient control panel to set important operative parameters easily
- 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

Our Range of Environmental & Waste Management Plant

- Organic Food Waste Composter Machine
- Automatic Organic Waste Composting Plant & Machines
- Organic Waste to Animal Feed Making Plant & Machines
- Waste Incinerator Machine
- Municipal Solid Waste Segregation Plant & Machines
- Industrial Solar Power Generation Plant
- Organic Fertilizer Granules Making Machine
- Textile Waste Recycling Plant
- Waste Water Treatment Plant
- Water Softening Plant - Water Softener
- De-Mineralized DM Water Treatment Plant
- Sewage Treatment Plant - STP Plant
- Industrial Effluent Treatment Plant - ETP Plant
- Waste Rubber Tyre Scrap Recycling Plant
- Waste Rubber Tyre Pyrolysis Plant
- Electronic Waste E-Waste Recycling Plant
- Electrical Copper Wire and Cable Recycling Plant
- Lead Acid Battery Recycling Plant
- Lithium Li Ion Battery Recycling Plant

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

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