

## WASTE TYRE PYROLYSIS PLANT



### Batch Type RC - 15 (Half Door)

Fabhind Pvt. Ltd. offers a Batch Waste Tyre Pyrolysis Plant designed for efficient recycling of waste tyres into valuable outputs like fuel oil, carbon black, and steel wire. This plant operates in batch mode, providing an eco-friendly solution for managing waste tyres through pyrolysis, a thermal decomposition process in the absence of oxygen. Fabhind's system emphasizes energy efficiency, safety, and minimal environmental impact, making it suitable for industries looking to convert waste into reusable resources.



Waste Tyres



Fuel Oil



Steel Wire



Carbon Black



Pyro Gas



## Model : RC-15 ( Batch Type )

<b>CAPACITY</b>	: 12 to 15 Tons Per Batch
<b>BATCH HOURS</b>	: 24 to 30 Hours
<b>PYROLYSIS OIL OUTPUT</b>	: 38 To 42 %
<b>CARBON OUTPUT</b>	: 30 to 35 %
<b>STEEL OUTPUT</b>	: 10 % to 15 %

### TECHNICAL :

<b>EQUIPMENT TYPE</b>	: Batch Type Plant Model – RC – 15
<b>RAW MATERIAL</b>	: Waste Tyre
<b>ROTATION</b>	: Structural Form Horizontal Rotation
<b>OPERATING PRESSURE</b>	: 0.05–0.2 kg/ bar Auto Control
<b>REACTOR MATERIAL</b>	: B.Q Plate Sa 516 (Grade 70)
<b>ROTATION SPEED OF REACTOR</b>	: 0.4 turn/min <sup>®</sup>
<b>TOTAL POWER</b>	: 60 HP
<b>MODE OF COOLING</b>	: Circular
<b>COOLING AREA OF CONDENSER</b>	: 45 Sq. Mt
<b>TRANSMISSION MODE</b>	: DOL / VFD Direct Drive Motor
<b>NOISE Db (A)</b>	: ≤85
<b>SIZE OF REACTOR ( D*I )</b>	: 2.8 x 7.5 Mt. X 16 MM (Thickness)
<b>DELIVERY TIME</b>	: Within 3 to 4 Weeks
<b>FUEL</b>	: Tyre Pyrolysis Oil , Un condensed Gas
<b>COOLING WATER</b>	: 1000 Liter Day
<b>DE-DUSTING WATER</b>	: 2000 Liter per day
<b>INSTALLATION TIME</b>	: 25–35 Days
<b>LAND REQUIRE</b>	: 5,000 Sq. Yd Min. Required ( Without Stock )

FABHIND PVT. LTD. – TECHNICAL SALES & SUPPORT

UNIT - 1 : Plot no.16, Khodiyar Estate, I/s Shakriba Estate, Phase IV, Vatva, GIDC, Ahmedabad- 382445, Gujarat.

UNIT - 2 : Survey No. 98 & 92/2, Near Heavy Metal Tubes, Mehsana-Ahmedabad Road, At. Mandali Ta. & Dist. Mehsana 384130 Gujarat.

M: +91 89800 14614 / 617 ; +91 89800 26388 E: info@fabhind.com W: www.fabhind.com



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