

TYRE PYROLYSIS PLANTS

ENGINEERING THE FUTURE OF WASTE & ENERGY



ISO 9001:2015 Certified

01. Overview: Turning Tyre Waste into Value

At Grow Tech, we deliver disciplined, industrial-process plant engineering specifically designed to address the growing global challenge of scrap tyres. Operating out of Faridabad, Haryana, we serve clients across India seeking to extract maximum revenue from waste streams.

Our **Tyre Pyrolysis Plants** are engineered to thermally crack end-of-life tyres in a completely oxygen-free environment. This allows operators to successfully recover highly marketable industrial outputs, transforming environmental liabilities into predictable profit centers.

02. Technical Capabilities & Plant Features

Whether your operations require high-capacity continuous processing or versatile batch configurations, our systems are built for optimal performance:

Batch & Continuous

Tailored configurations engineered for high throughput, safe operations, and site-specific needs.

Syngas Utilization

Integrated circular-economy design where recovered combustible syngas is recirculated as process heat, minimizing external inputs.

Complete Engineering

Every plant includes comprehensive P&IDs, detailed equipment layouts, structural steel fabrication, and custom piping.

Recoverable Marketable Outputs

Our advanced thermal decomposition process ensures maximum recovery of high-value resources:

- **Pyrolysis Oil:** A high-demand, high-calorific industrial liquid fuel source.
- **Carbon Black:** Extracted fine carbon powders utilized across manufacturing and chemical sectors.
- **Steel Wire:** Cleanly separated and ready for direct scrap recycling markets.

03. Our Turnkey Delivery Process

Grow Tech operates as a single, accountable partner, managing the full Engineering, Procurement, and Construction (EPC) cycle:

1

Feasibility & Scope

2

Detailed Eng.

3

Procure & Fab

4

Erection & Inst.

5

Trials & Comm.

6

Training &
Handover

04. The Grow Tech Advantage

In-House Fabrication

Our dedicated manufacturing unit at Pali, Faridabad builds reactors, vessels, and heat exchangers directly, ensuring strict quality control, faster delivery, and competitive costs.

Single-Point EPC Accountability

From initial mass balances and P&ID design through site erection and final operator training, you deal with one professional team and one transparent contract.

Guaranteed Support

Backed by our ISO 9001:2015 system, every project includes a 12-month warranty, comprehensive O&M manuals, readily available parts, and technical assistance.

Sustainable Impact

Converting high-liability scrap tyre volume into profitable energy carriers, effectively reducing landfill dependency and lowering environmental footprints.

REGISTERED OFFICE

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