



PLASTIC PYROLYSIS PLANTS

Turning Plastic Waste into High-Value Fuel

01. OVERVIEW

The growing plastic pollution crisis presents both an environmental challenge and an economic opportunity. **Grow Tech's Plastic Pyrolysis Plants** are engineered to address this by converting mixed and segregated plastic waste into high-quality, diesel-range pyrolysis oil through controlled thermal decomposition. By diverting non-recyclable plastics from landfills, our advanced plastic-to-fuel systems generate a sustainable, clean revenue stream while promoting a circular economy.

Compatible Feedstock & Input Materials:

- **HDPE** (High-Density Polyethylene)
- **LDPE** (Low-Density Polyethylene)
- **PP** (Polypropylene)
- **PS** (Polystyrene)
- **Mixed Waste Feed** streams

02. KEY FEATURES & ADVANTAGES

- **Plastic-to-Fuel Conversion:** Transforms low-value or unrecyclable plastic liabilities into marketable industrial diesel-range oil.
- **Closed-Loop Emissions:** Designed with advanced environmental controls to ensure clean and safe operations with minimal ecological footprint.
- **Circular Economy Integration:** Inherent to all Grow Tech pyrolysis systems, the syngas recovered during the process is recirculated as process heat, drastically minimizing external

03. THE GROW TECH ADVANTAGE

- **Turnkey EPC Delivery Model:** From initial chemical and thermal calculations to site handover, you work with a single accountable partner. We manage the entire cycle: design, fabrication, commissioning, and complete documentation.
- **In-House Fabrication:** Engineered and built entirely at our dedicated manufacturing facility in Pali, Faridabad, ensuring uncompromising quality control, rapid delivery timelines, and highly competitive costs.

energy requirements and lowering operational costs.

- **Waste Valorisation:** Provides municipalities, industrial estates, and recycling plants a profitable alternative to landfilling.

- **Comprehensive Support:** Every plant comes backed by a **12-month warranty**, complete O&M documentation, readily available spare parts, and dedicated on-site or remote technical assistance.

04. OUR 6-STEP EXECUTION PROCESS

We ensure disciplined engineering and seamless execution across every phase of your project deployment:

- 1 **Feasibility & Scope:** Analyzing feedstock composition and specific plant output requirements.
- 2 **Detailed Engineering:** Crafting custom mass balances, precise P&IDs, and optimal equipment layouts.
- 3 **Procurement & Fabrication:** In-house production of heavy reactors, pressure vessels, and processing piping.
- 4 **Erection & Installation:** Expert on-site structural assembly and equipment positioning under strict supervision.
- 5 **Commissioning & Trials:** Rigorous cold and hot runs to validate output performance, yield parameters, and safety controls.
- 6 **Training & Handover:** Comprehensive operator training and transmission of complete Operation & Maintenance manuals.

CONTACT US

Let's collaborate to build a cleaner, sustainable tomorrow. Reach out to our engineering team in Faridabad to schedule a feasibility assessment for your plastic waste processing requirements.

Registered Office:

SCF-66, Phase 2, Sector 16A,
Faridabad - 121006, Haryana, India

Manufacturing Unit:

Plot No. 3, Gali No. 1, Dabua Pali Road,
Pali, Faridabad, Haryana, India

Phone: +91 89538 45249 | **Email:** info@growtech.com