

Mobile Dumped & Plastic, Metal Recycling Plant 65,00,000/- INR



Packaging & Delivery

Packaging 2*40 HQ container for 5 ton & 6ton equipment. 1*40 HQ container and one 40
Detail: FR for 10 tons& 12ton equipment

Delivery 10-15days after we get your 30%deposit
Detail:

Specifications

Dumped plastic & Metal recycling plant

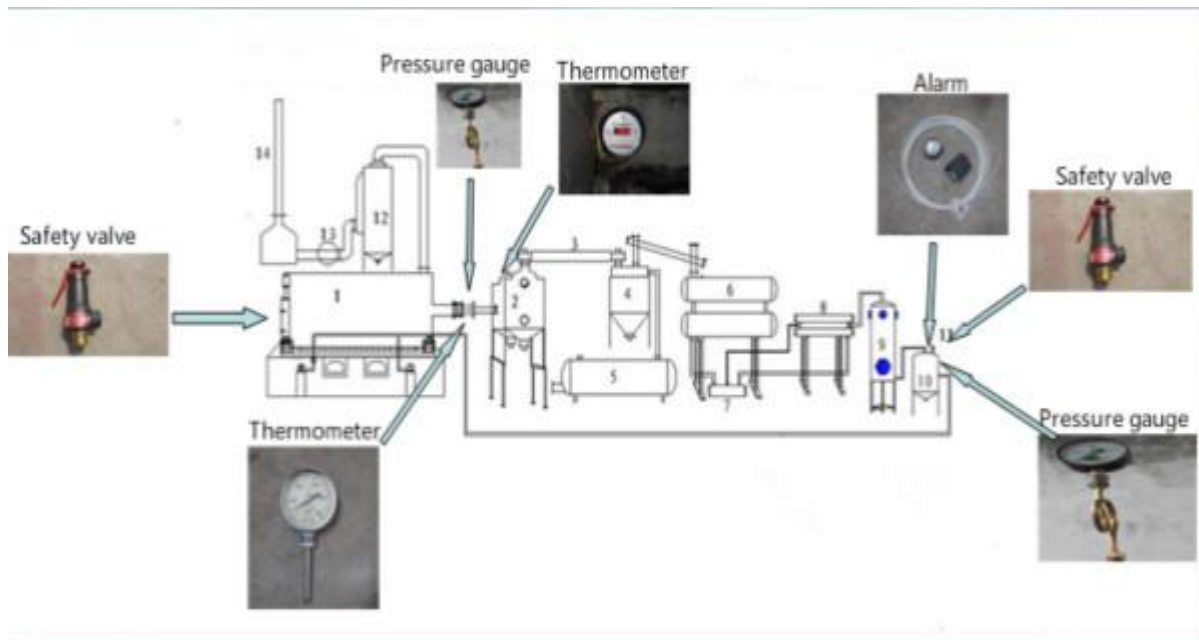
- 1.Safety and no pollution
- 2.oil output is high
- 3.Energy saving 10%
- 4.CE&ISO9001/14001

Many safe devices dumped plastic recycling plant

Product Description

Final Product	Fuel oil, carbon black, gas
Production Capacity	12T
Heating Materiel	Coal, wood, natural gas, oil
Area needed	200m2
Life	5-8 years
Environmental Protection	Save fuel, No pollution
Safety System	Security 100%
Certification	CE&ISO

Safety



1. With auto-welding machine for the reactor, it can not only greatly improve working efficiency but also guarantee the quality of welding seam, thus avoid explosion caused by gas leak. Professional heating treatment and x-ray detection chamber are especially for welding.
2. Vacuum system will prevent oil gas going back to reactor and preventing accident.
3. Professional thermometer, pressure gauge and safety valve.
4. It is dangerous to burn exhaust gas (C1 to C4) without any safety measures. In our process, it is transferred first through the safety device and a safety burning air muzzle. Before burning, we should ensure the safety of production.

Long life

1. Material: 245R special steel plate, thickness 14-16mm
2. Welding: Automatic welding machine with heating treatment and x-ray detection will prolong the service life of reactor to the max.
3. The service life of the reactor will be 5-6 years.

Energy saving

1. Well sealing for heating system, no gas leak and saving fuel.
2. The exhaust gas will be recycled for reactor heating.

Oil yield of Plastic

Name	Oil yield	Example
Polythene: PE	Arround 95%	thin film, diaphragm, film membrane, bottles, galvanic isolation materials, water pipes, oil tank, oil drum, drink bottle, milk bottle.....
Polypropylene: PP	Arround 90%	thin film, plastic ropes, plastic crockery, basin, barrel, furniture, woven bag, bottle cap, vehicle bumpers...
Polystyrene: PS	Arround 90%	electrical appliance, stationery, food contane, toys...
ABS	Arround 40%	
Paper mixture	Wet: 15-20% Dry: arround 60%	
House garbage	30-50%	

Consumption of pyrolysis plant

Feeding	1.5-2.0 hours
Preheating	2.0-3.0 hours

Producing oil	7.0-8.0 hours
Cooling	5.0-7.0 hours
Slagging	0.5-1.0 hours

BENEFITS

- Regaining energy and value from waste in the form of fuel and charcoal
- Reducing the plastic and tire pollution to land
- Recycling of plastics and tires which are Eco-friendly
- Commercially viable process
- End product oil is used as substitute to Furnace oil
- Perfect solution for Polymer waste management
- Raw material (waste tires, waste plastics) available
- Zero emission process: no harm to environment
- Less reaction time and more energy savings
- Plant is Energy self sufficient

Consumption of Pyrolysis Plant

Type		Details
Fuel	Wood	330kg per batch
	Coal	200kg per batch
	Fuel oil	120kg per batch
	Natural Gas	80kg per batch
Electricity	Motor	3kw
	Draft fan	4kw
	Blower	0.25kw * 3=0.75kw
Labour Requirement for One Batch		
Labour	4 workers can be divided into 2 groups	

Suggestion Item

1. **Auto-feeder:** help to feed the material efficiently



2. Carbon black pallet machine: process the carbon black into fuel

Manufacturing process



Packaging & Shipping

