

PYROLYSIS UNIT PROTECTION DISTILLATION EQUIPMENT SCHEME

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ABOUT PYROLYSISUNIT

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Company introduction

The company is specialized in the production of waste rubber, waste oil and waste oil.

With the concept of "eliminating black-and-white garbage and benefiting future generations", the company actively promotes the management spirit of "people-oriented, focusing on personal cultivation; independent research and development, high efficiency and pragmatism" to meet customer requirements as the highest goal and pursue the combination of efficiency and development. I hope to cooperate with you in the near future.



Workshops



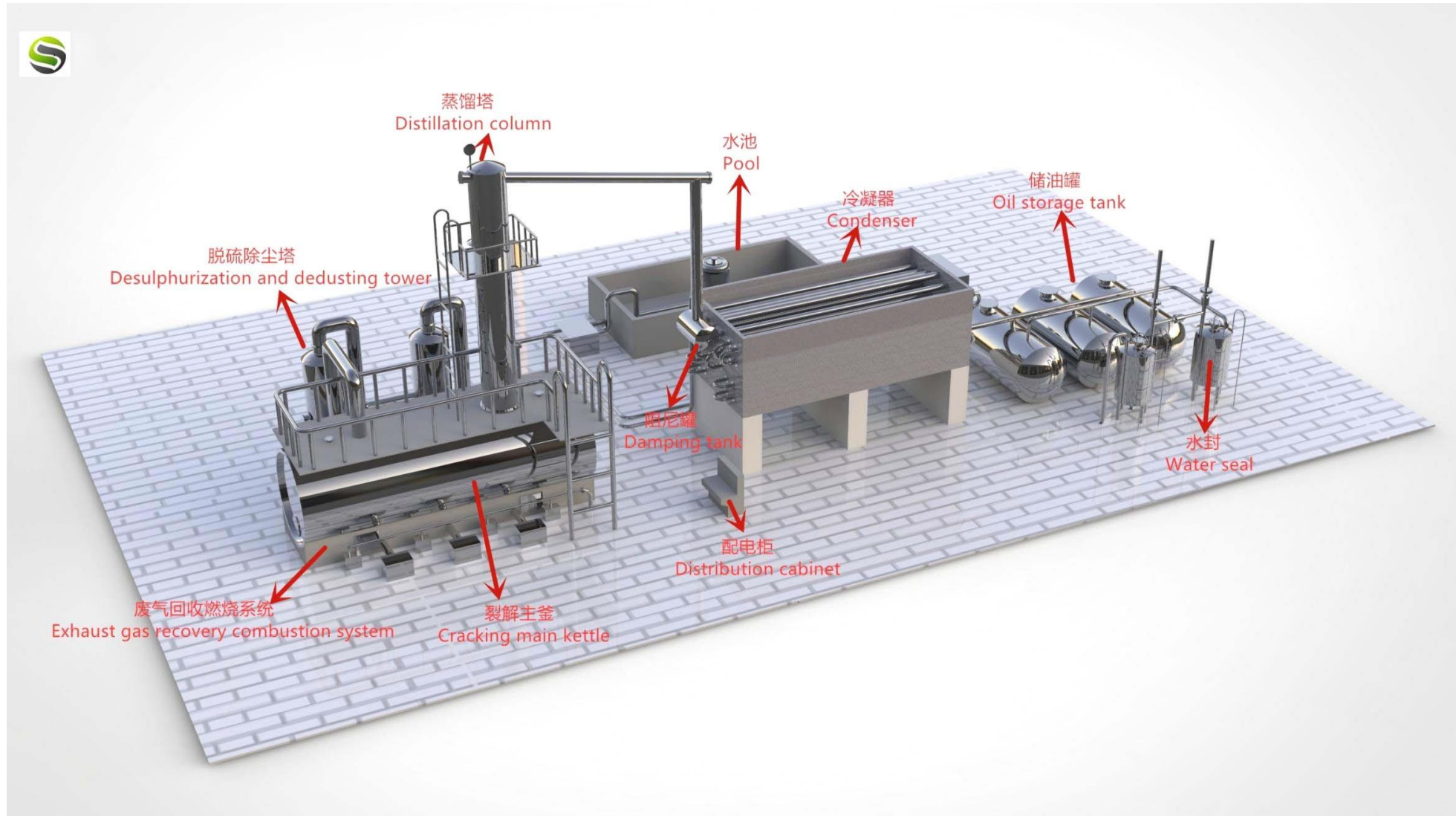
Scope of supply

- Waste tire, plastic, oil sludge pyrolysis plant
- Oil distillation and refining plant
- Medical waste recycling plant
- Project Design, Machine Manufacture, Engineering Service, Technology Support

2.WASTE OIL DISTILLATION EQUIPMENT

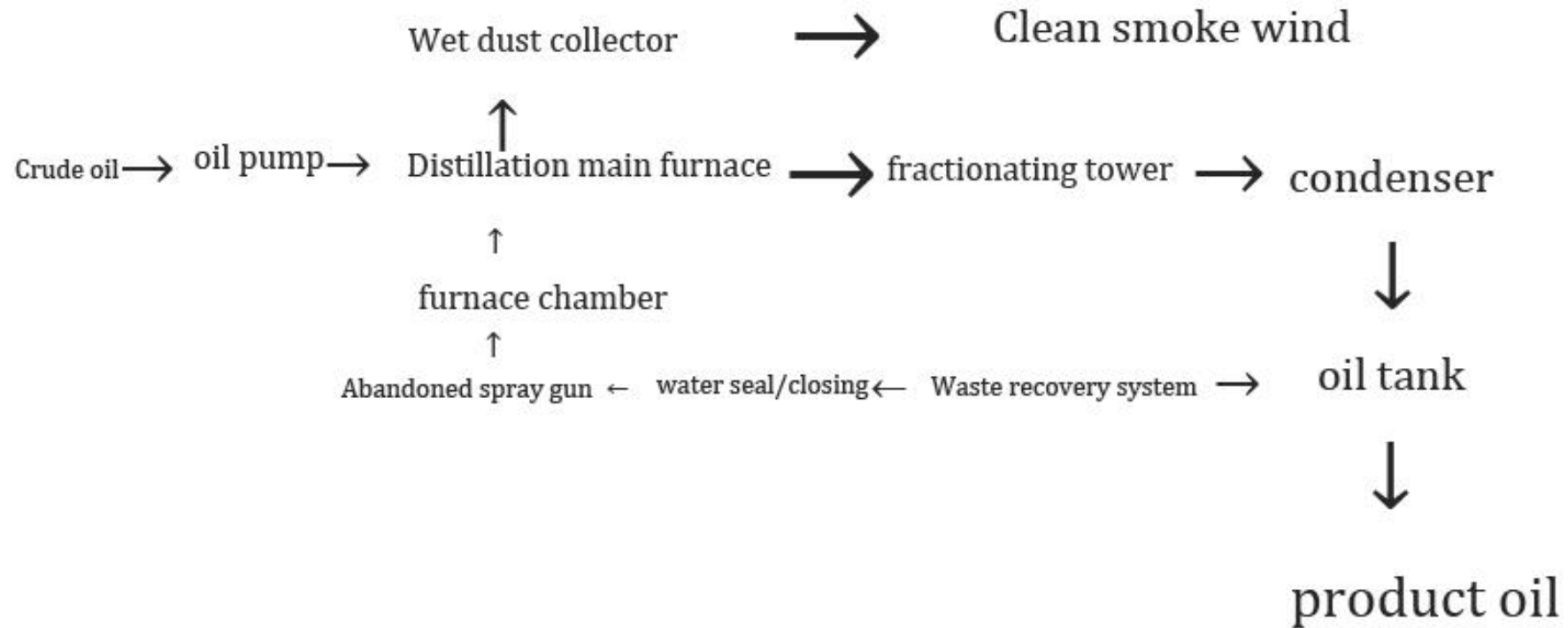


Flow chart and layout drawing



Flow chart and layout drawing

Process description:



SRAW MATERIAL

- Landing oil sludge oil sand
Tank bottom cleaning oil residue
- Waste engine oil refining



Final products

product oil

The final oil produced by the waste oil distillation is non-standard diesel oil, The oil output rate reaches 80%, the condensation effect is good, and the oil rate is high.



Successful installation case



Technical parameter

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NO.	Items	Contents
1	Equipment type	PU-7
2	Raw material	Waste oil
3	Structural form	Horizontal
4	24-hour Capacity	10-15 ton
5	Oil yield	80%
6	Operating pressure	Normal
7	Material of Reactor	Q345R
8	Thickness of Reactor	16 mm
9	Total power总	15KW
10	Mode of cooling	Water cooling
11	Cooling area of condensor	80 m ²
12	Noise dB(A)	≤85
13	Size of Reactor(D×L)	2600×7700(43m ³)
14	Working form	Continuous operation
15	Delivery time	15 days
16	Weight	35T

Consumption

No.	Items	Consumption
1	Power	150kw for average
2	Water	less than 100m ³ /hour in total (the water can be recirculated and the more the water flow, the better the cooling down)
3	Fuel for heating	20KG oil/30CBM natural gas/ around 30kg coal for processing one ton tyre for average.
3	Labor	2-3 per shift, three shiftes per day
4	Space	22m*7m*8m (width*length*height) 22m*7m*8m




FEATURES OF THE PROPOSAL




- We adopt the latest heating method which take advantages of direct heating and indirect heating, which can save 20% fuel and operate in more safer condition and have longer lifetime of reactor.



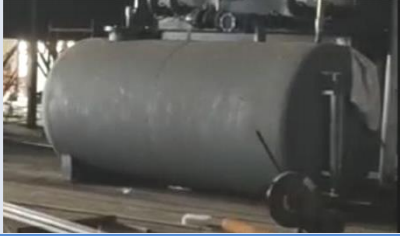




- The equipment requires automatic feeding of oil pump and manual slag discharge. During the operation process, the feeding and slag discharge are set up with convenient cleaning mouth to improve work efficiency. The distillation process does not need to carefully remove the sediment, moisture, and other impurities in the raw materials, and can directly pump the waste oil pump into the distillation main furnace processor. Distable oil steam mixture, through multistage separator, through cooling system in the whole production process can get better quality products. Part of the waste gas and dust from the pyrolysis processor is applied to the multi-functional distillation tower through a special pipeline, and then enters the countercurrent wet dust treatment device, and is discharged after reaching the standard. A part of the low carbon chain non-condensing gas enters the gas recovery system through the safe water seal, and is burned as the fuel of the pyrolysis furnace.





3 Equipment list

order	name	quantity	unit	specifications and models	weight	photo
1	Distilling the main furnace	1	set	L6600*B3000*H3200	19000kg	
2	Chamber of a stove or furnace	1	set	L6600*B2300*H650	5000kg	
3	condenser	1	set	L6600*B3000*H2500	5000kg	

4	Water seal	1	set	$\Phi 1500 * H1800$	200kg	
5	Damping tank	1	set	$\Phi 500 * H750$	100kg	
6	device attachment flange	1	set	$\Phi 159/219/325/425/530$	400kg	

7	Electric cabinet	1	set	L1000*B800*H1200	50kg	
8	Fan		platform	0.5m ³	100kg	
9	Oil tank	3	set	Φ1500*L3750	400kg	

10	air pocket	2	set	$\Phi 1500 * L1800$		
11	Pipe fitting	several	root	$\Phi 50/159/219/325$	1500kg	
12	Water pump	2	platform	2.2kw/3.0kw	270kg	

13	Oil pump	3	platform	5.5kw		
14	Elbows, connections	several	set		50kg	
15	Flange, valve	several	set		1000kg	
16	hog still	1	Pcs	Φ900*4500		

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