



### Basic Specification for pyrolysis machine

No	Item	BAREZ Specification
1	capacity (24 hours)	15 tons / batch
2	working method	batch
3	Pattern	Horizontal & Rotary
4	Reactor size	at least 45 m <sup>3</sup>
5	Door type	Full open door / with hydraulic
6	Fuel	Fuel oil , natural Gaz
7	Raw material	waste plastic , tyre , rubber
8	Cooling type	Cycling Water
9	carbon discharging method	Auto discharging / including slag out special- shaped elbow, slag elbow bracket
10	ambient temperature	min : -15 c & max :45 c
11	max tire diameter	1500mm
12	hydraulic parts	vickers / rexroth
13	noise db (A)	≤80dB
14	<b>Auto feeder</b>	
15	inlet material	tire pieces (5 cm) & whole tyre (max diameter :1500mm)
16	type	hydraulic
17	hydraulic parts	vickers / rexroth
18	<b>Crusher</b>	
19	capacity	2 ton / h
20	Inlet material	whole tire (max diameter : 1500mm)
21	output	Tire pieces within 5 cm



22	<b>Steel - Drawer</b>	
23	Inlet material	whole tire (max diameter : 1500mm)
24	function	to draw out bead steel cord from tire
25	capacity	2 ton / h
26	<b>Carbon black Micronizer System</b>	
27	capacity	according to pyrolysis machine capacity
28	suitable raw material	pyrolysis carbon black
29	metal separator (carbon & metal)	Automatic /with magnets
30	carbon black outlet particle size	max 80 mesh or 180 Micron
31	<b>Distillation plant</b>	
32	Capacity	according to pyrolysis machine capacity
33	Raw material	Tire oil , Plastic oil , waste engine oil ,
34	output	Diesel Grade oil , Gasoline Grade oil
35	Fuel quality	according to latest Euro standards
36	<b>Fuel Storage Tank</b>	
37	capacity	80 m <sup>3</sup> Tire oil & 80 m <sup>3</sup> Distiled oil
38	Type	Vertical
39	<b>Control System</b>	
40	HMI	Comfort-12000
41	PLC	Siemens S7-1500
42	Drive	Siemens Sinamics G120c
43	Controlling recycled fuel	Automatic Control of recycled gas into the burner with PLC



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