

# Waste Plastic Pyrolysis

## BLL-30 Continuous Plant Brochure

**BESTON GROUP CO., LTD.**

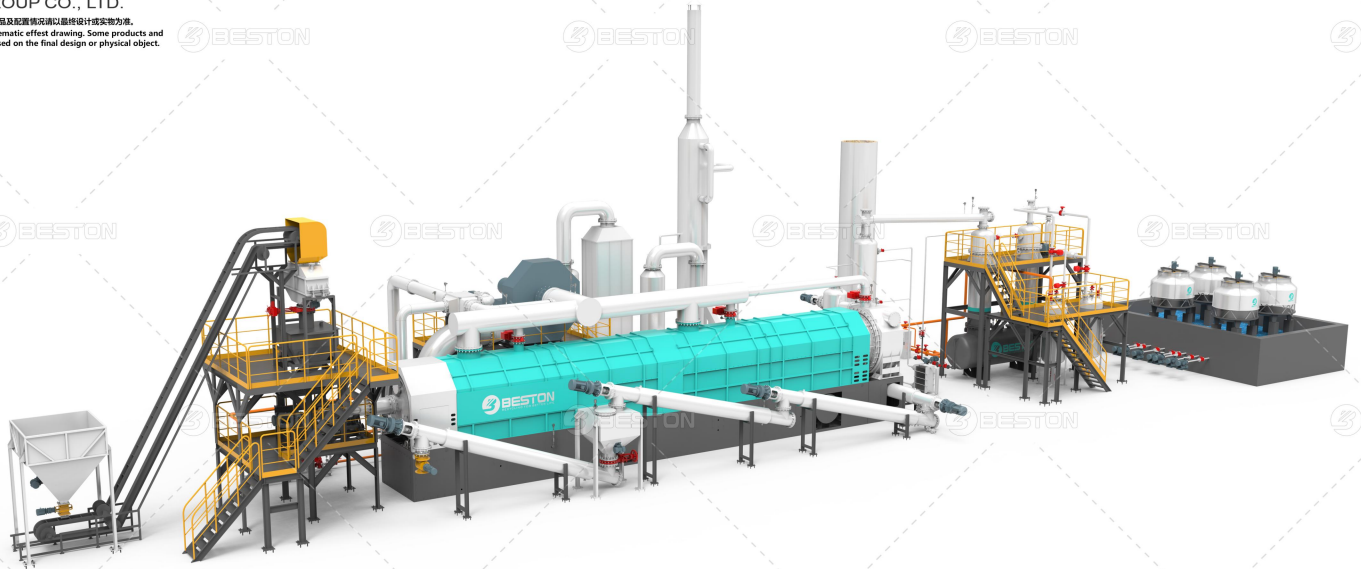


# 3D Image



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\* 该图仅为示意效果图，部分产品及配置情况请以最终设计或实物为准。  
\* This drawing is only a schematic effect drawing. Some products and configuration should be based on the final design or physical object.

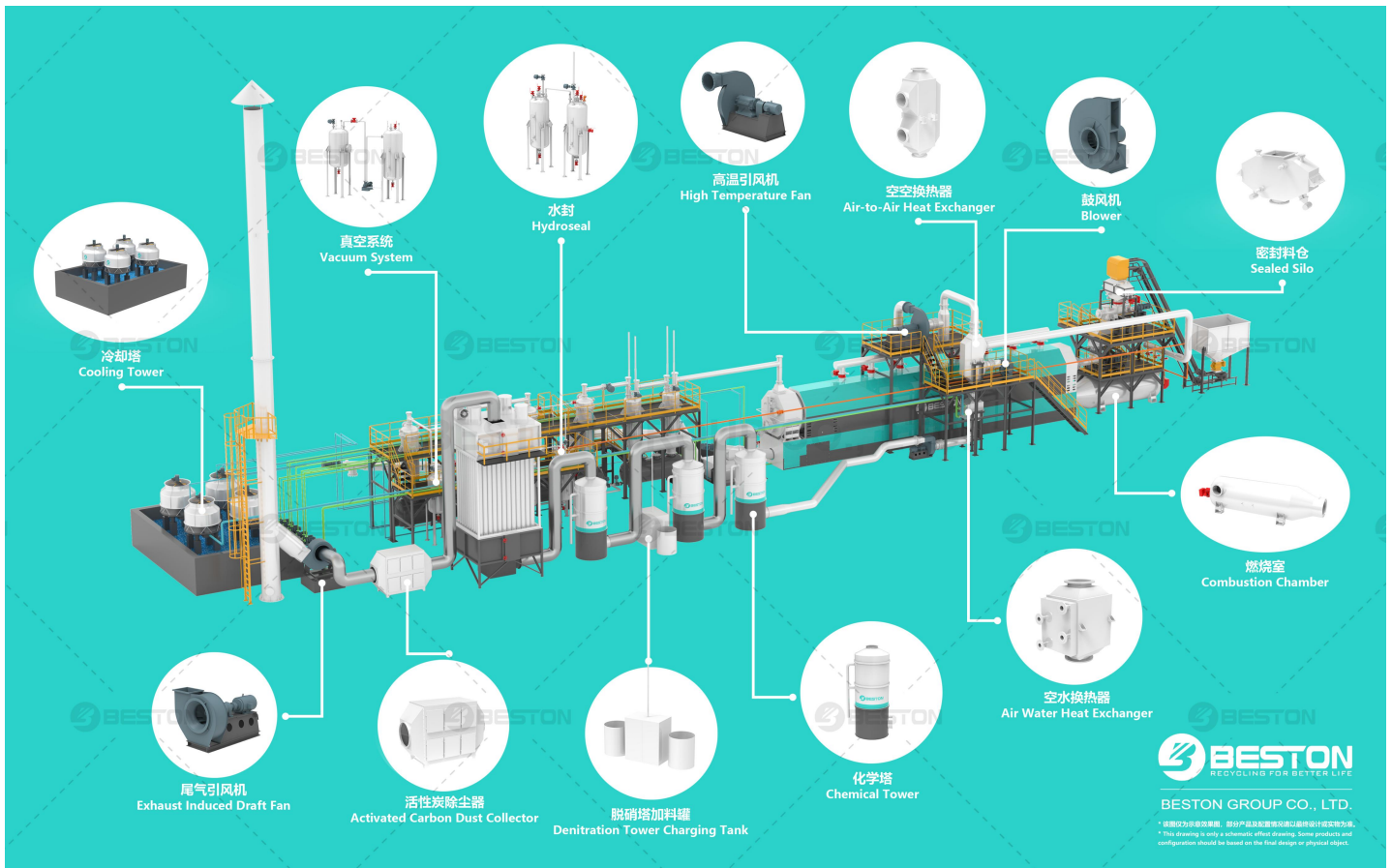


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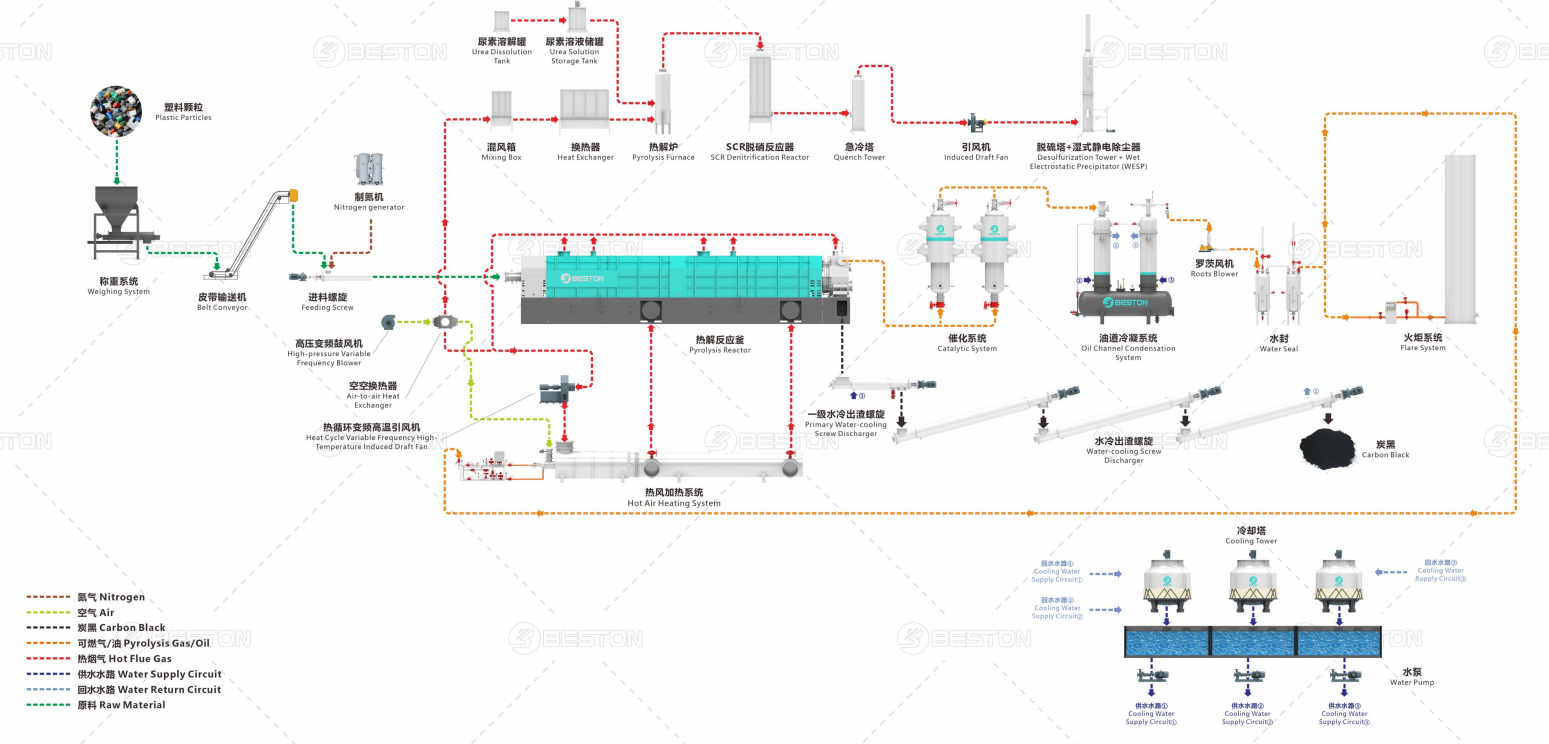


# 3D Layout & Work Flow



## 全连续式塑料热解生产线流程示意图

Schematic Diagram of the Process for Fully Continuous Plastic Pyrolysis Production Line



# Parameters

Model	BLL-30
Manufacturer	BESTON
Time to Market	2025
Motor Brand	Chinese brand
Suitable Raw Materials	Waste plastics; Tires; Oil sludge
Input Capacity (Max.)	Waste plastic pellets: 0.8-1.05t/h Rubber powder: 1.25-1.5t/h Oil sludge: 1.8-2.3t/h
Working Method	Fully Continuous
Final Oil Quality	Pyrolysis oil Pyrolysis oil with wax or naphtha
Reactor Material	304/310S Stainless steel
Reactor Life Span (Years)	5-8
Guarantee (Months)	12
Delivery Time (Calendar Days)	60-90
Land Space Required (L*W*H*m)	70*20*10
Packing	20*6*3m in bulk+13*40HQ
Installation Period (Calendar Days)	60-90

# ROI Report

Cost Category	Cost Description	Unit	QNT/T	Unit Price (\$)	Cycle (days)	Cost(\$)
Fixed cost	Benchmark electricity cost			0.1	25	<b>\$175</b>
	pyrolysis production electricity cost (kWh)	°C	2300	0.1	25	<b>\$5,520.00</b>
	Maintainance fee				25	<b>\$285.71</b>
	Salary				30	<b>\$3,685.71</b>
	Management fee	person	1	18.43	30	\$552.86
	Labor	person	9	6.41	30	\$1,658.57
	Technician		2	12.29	30	\$737.14
	Staff		2	12.29	30	\$737.14
	Fuel (diesel)			285.71	4	<b>\$1,142.86</b>
	Meals			42.86	30	<b>\$1,285.71</b>
	Other uncontrollable costs					<b>\$5,714.29</b>
		Subtotal				
Variable cost	Raw material	ton	30	64.29	25	\$48,214.29
	Package					\$4,628.57
	Subtotal					<b>\$52,842.86</b>
Revenue	Fuel oil	ton	13.5	500	25	\$168,750.00
	Carbon black	ton	9	31.43	25	\$7,071.43
	Stainless steel wire		7	16	25	\$2,800.00
	Subtotal					<b>\$178,621.43</b>
Profit						<b>\$105,287.14</b>

Cost Category	Estimated Price (\$)	说明
Land acquisition	\$160,000.00	Purchase
Land Development and Infrastructure	\$85,714.29	Includes site leveling, roads, water and electricity access, etc.
Factory Construction	\$214,285.71	Calculated based on approximately XX yuan per square meter, for XX square meters.
Permit and Compliance Costs	\$21,428.57	Includes environmental impact assessment, construction permits, operational permits, etc.
Equipment cost (include installation/commissioning)	\$1,374,285.71	Including pyrolysis reactor, feeding and discharger conveyor, control system etc.
Initial Operating Capital	\$71,428.57	The operating costs for the startup phase, such as raw material procurement, staff training, etc.
<b>Total Investment Cost</b>	<b>\$1,927,142.86</b>	

Indicators	Values	Unit
Annual Net Profit	\$1,295,631	
Payback Period	<b>1.49</b>	Year
(ROI)	<b>67.23%</b>	
Project Lifecycle	8	Year
Total Net Profit (8 years)	<b>\$10,365,051.42</b>	

**Notes:**

The report focuses on plastic recycling investment opportunities in XX countries in the Southeast Asian market, mainly targeting resource processing projects using waste tires as raw materials. Through a systematic analysis of the local policy environment, raw material acquisition, production process, product sales channels and cost structure, the report comprehensively evaluates the project's operating profit potential and overall feasibility, aiming to provide investors with scientific and detailed decision-making basis.

If you need to focus on environmental protection policies, market prospects or investment returns, we can also adjust the content.



# THANKS FOR WATCHING

If you want to be as focused as we are on recycling and  
improving the global environment,  
Then join us!



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