



TK 500 - Plant

Data sheet

Space requirements

Space requirement for 1 double reactor	ca. 1,500 m ² for double reactor basic system
Space requirement for second double system	ca. 650 m ² each double reactor extension

Capacities

Processing capacity	4.500 t / year (375 t / month)
Output per ton of plastic in average	ca. 700 kg light oil ca. 50-75 kg coke
Output per ton of tires in average In addition, a ton of tires	ca. 500 kg light oil ca. 300-350 kg carbon as well as small quantities of metal

Output

Plastics or fractionated to gasoline + diesel	ca. 328,125 litre light oil / month ca. 195,234 litre diesel / month ca. 83,672 litre gasoline / month
Tires or fractionated to gasoline + diesel	ca. 185,943 litre light oil / month ca. 109,670 litre diesel / month ca. 47,397 litre gasoline / month
additional carbon output	ca. 130,147 kg carbon / month

Operating costs / data

Plant operation by means of gas generators	Autarky through plant gas supply
Catalyst plastic upcycling	ca. 0.01 € / litre light oil
Catalyst tire / rubber upcycling	ca. 0.02 € / litre light oil
Power connection	400 V three-phase current (three-phase current)
Immission	45-50 dB
Emission	max. 650 mg/Nm ³ CO ₂

Personnel costs (single / basic plant)

Single unit per 8h shift	2 Employee
3-shift operation	6 Employee + 2 Employee

Prices - basic plant

Price includes mach./autom. feeding and associated process tanks. In addition, there is the possibility for fractionation to gasoline and diesel. After training the employees and start of operation, a one-month free support is provided by the manufacturer's specialist staff.