

BEST-1 Specification

Machine size	520x410x880mm
Machine net weight	45Kg
Capacity of the barrel	35L
Power supply capacity	Single Phase. 220V.AC 50Hz 0.042Kw
Power consumption	Consumption of 1KWH of Electricity in 24 hours
Filter mesh size	600μm
Pump flow speed	10~30L / min.
Ozone value	500mg / hr. Produce 500 mg of ozone per hour

Ozone analysis report

Still struggling with cutting fluid problems?

Hesitate to replace? Can't stand the mess?
A new era is here- go green with a better choice
Multifunctional Oil-Water Separator.
Solves your problems efficiently and sustainably.

BEST-1



Cutting Coolant Purification Equipment

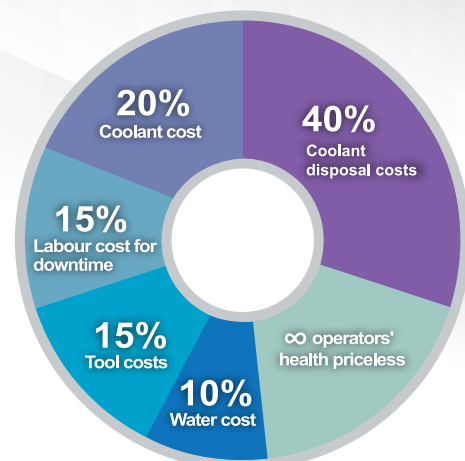
- Impurity filtration
- Oil-water separation
- Ozone disinfection
- Coolant purification
- Health & environmental protection
- Cost reduction
- No consumables
- Extend tool life

Comprehensive assessment of efficiency

Reduces the addition amount of crude oil,annual expenditures ↓20%~40%
Reduces the added amount of running water,annual expenditures ↓30%~50%
Reduces the procurement of expensive crude oil,annual expenditures ↓20%~40%
Reduces wear and tear of tool and work piece,annual expenditures ↓15%~30%
Reduces staff clean-up time, the annual spending time ↓60%~80%
Filtration of fine iron debris to avoid tool and work piece impact damage.
Block the growth of bacteria and avoid staff's health hazards.
Clean water quality and block pungent odor from spreading.
Water is circulating and cleaned to avoid wastewater discharge.
Maintain plant operations environment clean.

The impact of adverse coolant

Damage to the machining workpiece quality, lathe and milling machine equipment.
Reduce tool useful life and affect the processing efficiency.
Effects of bacteria out of deteriorated coolant on operators' health on site.
Impact of stench out of deteriorated coolant on operators' emotion on site.
Increase of on-site operator clean-up time impacts productivity efficiency.
Increase in the number of times for coolant updates affects plant cost and expenditure.
Regular wastewater discharge seriously affects the ecological environment.

Cost-benefit analysis diagram


pH value detection device (optional)



pneumatic pump



Floating oil collection seat set (optional)

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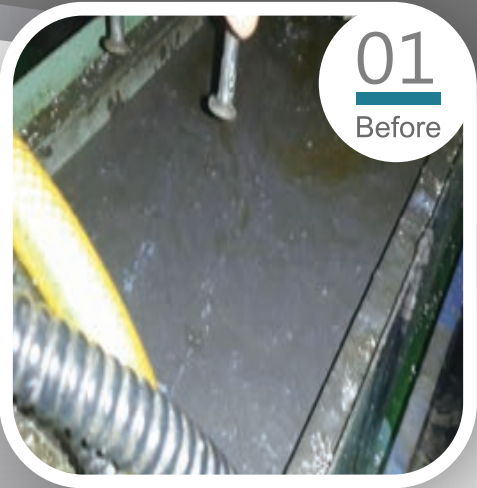
Distributor

Expert Solutions for Coolant Separation and
Odor Control.

HC FENG specializes in coolant purification and recycling, with over 15 years of experience solving coolant odor and deterioration issues.

Cutting fluid provides cooling, lubrication, cleaning, and rust prevention, and is widely used in machining. However, most machines lack eco-friendly treatment systems. As a result, mixing with slideway or foreign oils often leads to fluid deterioration, causing odor, foaming, corrosion, operator allergies, and reduced tool life and machining accuracy.

Conventional oil-water separators only remove surface oil but cannot address the bacterial contamination that causes coolant deterioration and odor. Our coolant purification system goes further, combining impurity filtration, oil-water separation, and an ozone unit for sterilization and deodorization. This effectively extends coolant life, improves machining accuracy, prolongs tool lifespan, and significantly reduces tank cleaning and replacement frequency.



Touch panel



Ozone disinfection.



Skimmer device



Maintenance-free filtration



Oil Collector

Functional features

Impurity filtration

Removes suspended cutting chips to protect surface finish.

Oil-water separation

Quickly removes surface oil for efficient oil-water separation.

Ozone disinfection

Ozone feature kills bacteria and keeps coolant fresh and odor-free.

Coolant purification

Maintains coolant concentration and restores its original clarity.

No consumables

Cost reduction

Reduce waste oil recycling and disposal costs.

Extend tool life

Extend time of use for coolant, increase tool life, and raise processing accuracy.

Health & environmental Protection

Improves odor and protects workers from harmful oil mist and contact.

