



KING NICE®

Industrial Filtration Adviser



OIL WATER & COOLANT PURIFYING



SLUDGE CHIP SAVER VACUMER



FILTRATION SEPARATION SYATEM



Social

ESG



Environment



Governance



CHOOSE PNEUMATIC

kingnice.com.tw

START YOUR VALUE

KingNice Technology
 Specializing in oil-water separators, cutting fluid filtration and coolant purification machines, industrial and restaurant wastewater filtration systems, oil collection plates, filter plates, oil-water separation plates. We operate our team business with integrity and honor. Since its inception, it has been designed with superior quality and unique design to make installation easier and more stable and reliable.



BRAND STORY

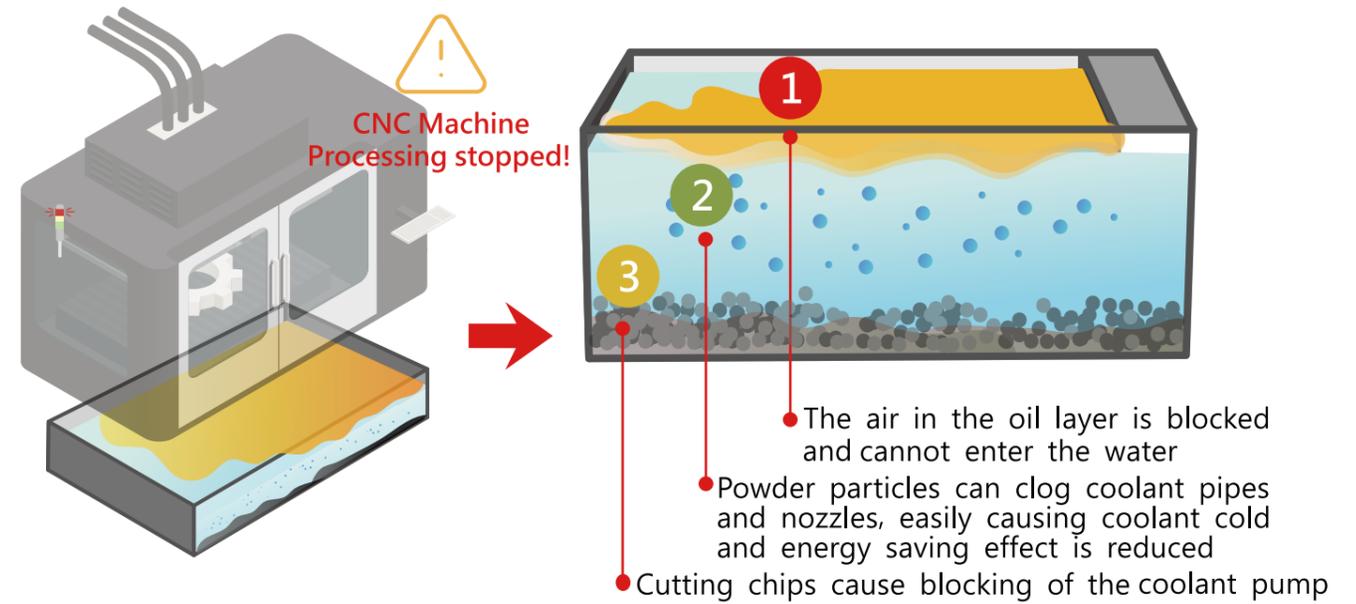
"Continuous research and development, sustainable operation" is the core concept that KingNice Technology has always adhered to. We believe that only by continuous research and development can we become the champion in the field of water oil purification and bring the best products to our customers. For sustainable business, we have different ideas. The sustainable operation that KingNice wants to accomplish is not only for the internal enterprise, but for the global environment and our next generation, comprehensive and sustainable operation.

MILESTONE



PROBLEM

Gas Dynamic Type | Easily Recovered | Easily Dry



Solution



1 Tramp oil floating on the surface of the coolant causes oxygen supply blockage



2 Powder particles can clog coolant pipes and nozzles, easily causing coolant cold and energy saving effect is reduced



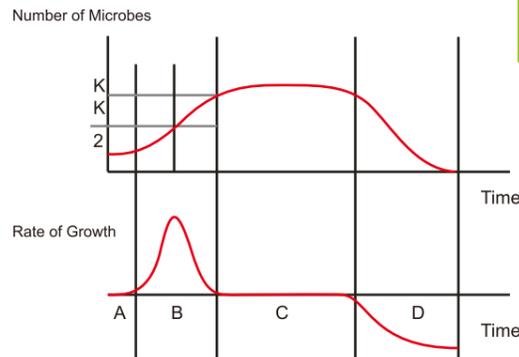
3 Cutting chips cause blocking of the coolant pump

Why is the coolant have to cleaned?

In the era of high oil prices, to keep the purificat ion of t cutting fluid for cooling , lubrication , rust , pseudo-concentration , grease cleaning , corrosion(bacteria , fungi) to enhance the performance and functionality of impurities can be prolong life.for you accumulate wealth,achieve profitability.



Bacterial Growth Curve

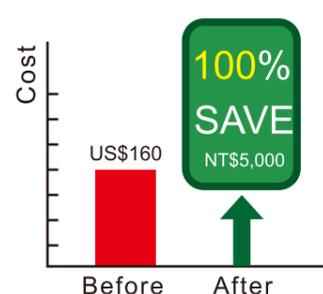
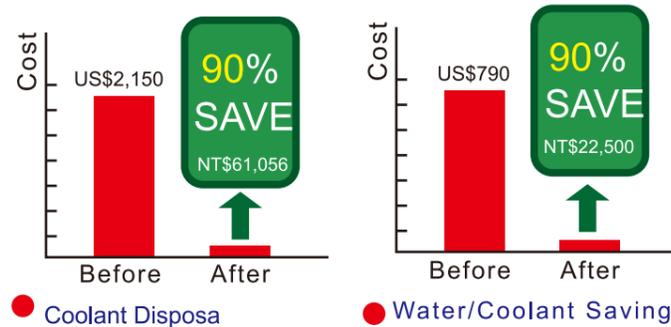


A : Lag Phase
 B : Log Phase
 C : Stationary Phase
 D : Death Phase
 Note:Rate of growth=Reproductive rate-Mortality rate

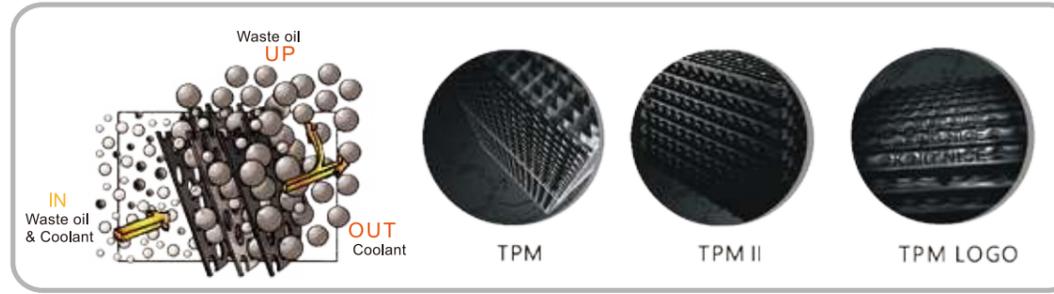


Payout Time / Benefit Analysis

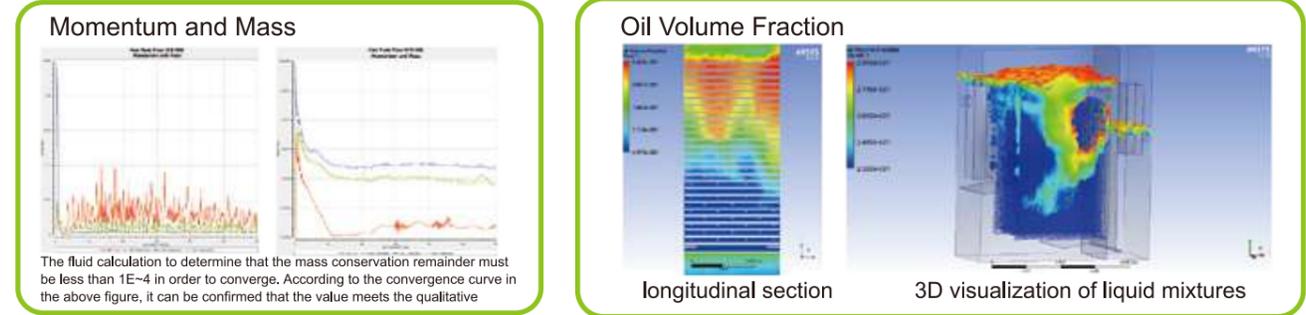
Cost savings are calculated for one machine with an 10 gallon sump by 10 CNC machines. The reduction in coolant changeouts will save two changeouts per year , coolant makeup is assumed to 8% , new coolant US\$900/per 50 gallon , labor for Changeouts : US\$10/per hr , US\$1,000 tooling cost ,coolant disposal US\$1.0 per gallon .



T.P.M PATENT



ANSYS Diversion report

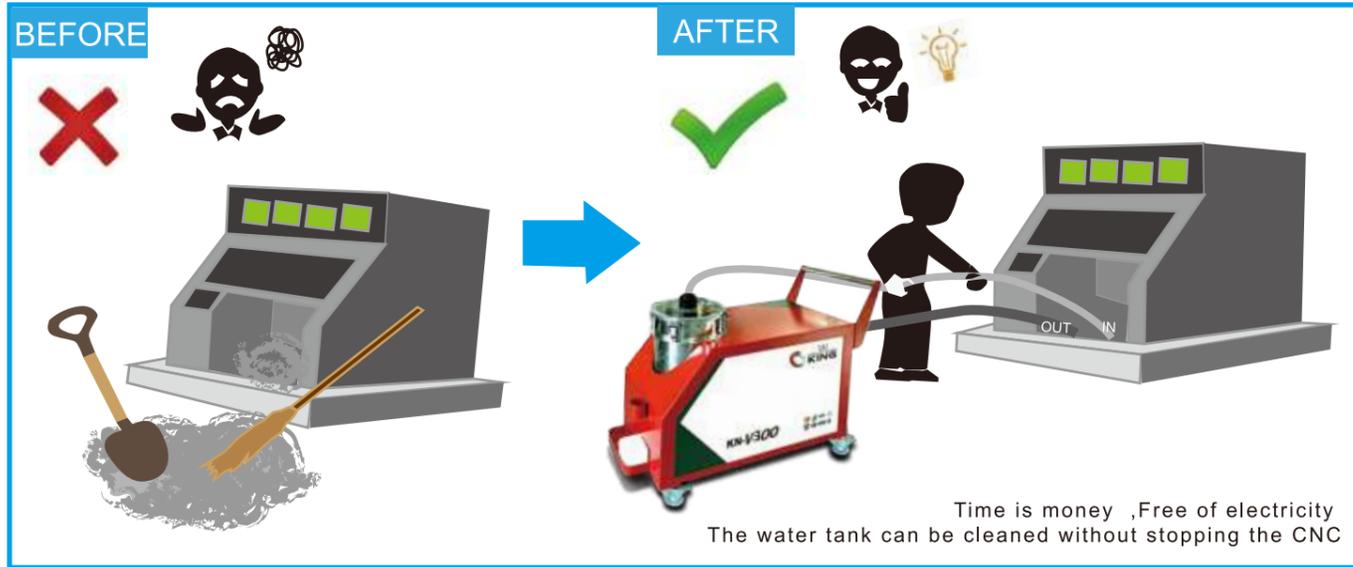


Installation example



Are you still cleaning the water tank in the **Traditional** way?

From now on you have a better choice



- Double filter high efficiency purification and prolong liquid service life
- The highest filtering accuracy can correspond to 1um
- The processing machine can easily recover chips and bottom mud without stopping the machine
- Easily solve the problems of iron filings, aluminum powder, fine bottom mud... etc., which are deposited in the CNC water tank for a long time after cutting.
- Pneumatic drive mode is adopted to avoid public security problems
- Widely used in metal cutting, aluminum processing, grinding process, engineering plastics... etc.
- Patented technology-can easily correspond to oily and water-soluble cutting fluids
- Special dehydration and drying method can purify CNC water tank processing liquid, and sludge can also be removed in a short time



For liquid surface chips \ water tank sludge \ powder...ect

Recycling



Step1



It can be started by connecting to the wind source, and the machine does not need to be shut down.

Step2



Vacuum negative pressure principle, easy drying, easy chip suction

Step3



Use Value

- Use Value reduce the CNC machine failure rate , processing non-performing rate.
- Water and Coolant Saving.
- Reduce the cost of CNC mechanical downtime and personnel operations.
- Maintain the tank liquid caoacity , reduce the temperature rise.



New filtering

4 IN 1

- Removing sludge
- Filtration
- Purification
- Separator

Industrial Particle Sludge Separator Cycle System



Installation example

"Air type ultra-purification filtration machine" not only can easily remove chips, but also can filter and purify oily and water-soluble cutting fluids to solve customer's problems in this regard, so it is highly appreciated.

	Cast Iron Powder	Grinding Fluid	Glass Powder	Vibratory Polishing	Quartz Powder
Before					
After					

Feature

- Liquid filter purification, easy removal.
- Patented technology - easily correspond with liquid, water-soluble and Pure-oil Auto.
- Processing can easily recover swarf and sediment without stopping.
- The highest filtration accuracy can correspond to 5 nano.
- Solve the problem of long-term deposit on CNC water tanks such as iron chips, aluminum powder, fine sediment, etc. after machining.
- Widely used in metal cutting, aluminum machining, grinding process, engineering plastics, etc.



KEEP HIGH QUALITY

Actual performance

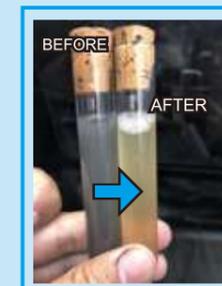


KN-V50/A50



Suitable industries: grinding, vibration grinding, centerless grinding, precision cutting, sewage treatment... and other precision filtration

- Corresponding to fine powders such as ceramic powder, quartz powder, wire cutting powder, aluminum powder, tungsten steel powder, boron nitride powder, carbon powder, Fine filtration and separation of glass powder, stainless steel powder, graphite particles, etc. are simple!



- Liquid filter purification, easy removal.
- Patented technology - easily correspond with liquid, water-soluble and Pure-oil Auto.
- Processing can easily recover swarf and sediment without stopping.
- The highest filtration accuracy can correspond to 1 um.
- Solve the problem of long-term deposit on CNC water tanks such as iron chips, aluminum powder, fine sediment, etc. after machining.
- Abrasive powder, screw factory oil sludge, cast iron powder, lathe, milling machine, grinder, drilling machine, CNC, boring machine, planer, sawing machine, broaching machine, etc. ...)



KN-H60





Every time, go to the end of the year, it is a headache to clean the tank. Fortunately, there are products of KING NICE's KN-V200, saving time and easy to use.

Since the use of KING NICE's KN-PLUS, the odor of the environment has been greatly reduced, and the oil mist is reduced when the machine is operated, and the skin is no longer allergic!

Every time need to change the coolant or clean the tank, the machine needs to be shut down, resulting in reduced production capacity and labor costs. Since the use of KING NICE's KN-I and KN-V300, it really saves a lot!

We are processing high-tech metal products with strict quality requirements. In particular, too many impurities and suspended solids in the tank will lead to an increase in product non-performing rate. Since the use KING NICE's KN-V160, the processing quality has been greatly improved. it really saves a lot!

Ecology

- It can effectively separate the slide oil, foreign matter oil, etc. on the surface of the water tank.Reduce the foul smell produced by the fusion of cutting fluid.
- Reduce oil mist and liquid fly rafts causing grease on machinery and workpieces.Free from skin irritation and allergies.
- No need to discharge, can reduce the amount of waste oil and wastewater treatment.

Quality

- Reduce workpiece corrosion, rust, improve machining accuracy and extend tool life.
- Purify cutting fluid to stabilize its quality, extend life and improve processing efficiency.
- Filter impurities such as suspended solids to prevent backlash from affecting the surface of the motor and the workpiece.

Cost reduction

- Stop the production of anaerobic bacteria and reduce the frequency of changing cutting fluid.
- Reduce the failure rate of pipe and motor blockage.
- Reduce labor costs and cleaning time for cutting fluids Save processing costs for waste oil recovery.

OIL WATER & COOLANT PURIFYING

Model	NO.	Machine Size mm	N.W kg	Capacity L	Efficiency Capacity L/hr	Timer System	Air inflate System	Unit Waste Oil Tank L	Extra Waste Oil	Air Pump Pressure
	KN-S1	390X310X310	18	12	300	NO	NO	1.5	NO	1.6BAR
	KN-S	350X220X560	20	14	480	NO	NO	2.5	NO	1.6BAR
	KN-I	440X250X870	28	32	720~1200	NO	NO	3.5	Optional	1.6BAR
	KN-PLUS	350X280X850	32	35	720~1500	Optional	Optional	4.5	Optional	1.6BAR
	KN-PLUS2	350X280X850	32	35	720~1500	YES	YES	4.5	Optional	1.6BAR

SLUDGE CHIP SAVER VACUMER

Model	NO.	Machine Size mm	Capacity L	N.W kg	Efficiency Capacity L/min	Air Pump Pressure	Max Air min	Thickness Filter um	Filter
	KN-V200	600X420X930	10	45	200	0.5Mpa	0.6m3	Standard 850um 1um~850um	SUS 304 150um~850um KFS KFN Optional 40um~400um
	KN-V300	1050X430X830	12	61	300	0.5Mpa	0.67m3		KFW Optional 1um~40um
	KN-V400	1090X450X870	Customized	68	Customized				

FILTRATION SEPARATION SYATEM

KFS Type : This is a durable stainless made filter,and no replacement is required.
KFN & KFW Type : This is a consumable filter,and replacement is periodically required.

Model	NO.	Machine Size mm	Capacity L	N.W kg	Efficiency Capacity L/min	Air Pump Pressure	Max Air min	Warning Buzzer	Pressure Sensor	Thickness Filter um	Filter
	KN- 4050	1050X430X1150	12	80	200~300	0.5Mpa	0.67m3	NO	NO	V1: 1~3um	SUS 304 150um~850um KFN Optional 40um~400um
										V2: 5~7um	KFW Optional 1um~40um
										V3: 10~15um	KFW Optional Long-lasting
	KN-V50 110V/220V	700X400X1200		60	100	NO	NO	YES	YES		
	KN-A50				340X46X300	180	0.5Mpa				
	KN-HA60	900X520X1625	60~100	240	2HP-4極 AC220V3相	0.5Mpa	0.67m3	YES	NO	NO	NO

CHOOSE PNEUMATIC

START YOUR VALUE



ISO 9001 / PATENT CERTIFICATE / INSPECTION



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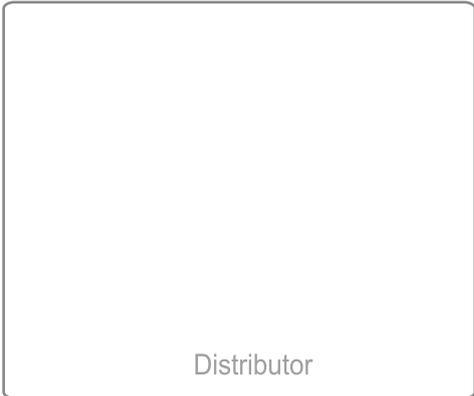
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