

Pipeclean®

The mechanical pre-screener for oil- and emulsion-mist



The exhaust of cooling lubricants at machine tools is mandatory for many reasons. There are, however, some technical problems associated with the collection process:

- The removal of cooling lubricant
- loss of cooling lubricants in the process
- contamination of the ductwork causing an efficiency reduction of the exhaust facility (air resistance because of accumulation in the pipe-system)
- higher maintenance efforts in the whole exhaust system
- less under-pressure due to reduced suction efficiency
- leaking of cooling lubricant. Contamination of the work place caused by cooling lubricant dripping from ceilings, pipes etc., hence slippery floors, risk of accidents

safety risk

Accumulation of cooling lubricant in the suction pipes can form a viscous mass which causes an additional incalculable risk in case of deflagration/explosion.



Pipeclean®

- is maintenance-free
- contains no consumable or disposable filter media
- allows for the collection and recycling of cooling lubricants
- design is available in aluminium for the application of emulsion (because of corrosion)
- galvanized design is available for the application of the coolant oil
- prevents sludge formation in the suction pipes
- reduces the load on the downstream filter system and consequently extremely improves the filtering efficiency
- extends the maintenance intervals for the entire process

Due to the patented technology

Pipeclean® allows a constant precipitator efficiency of up to 98 % of wet phase and steam phase on a mechanical basis.

Pipeclean® is built in horizontally, right at the suction point of the machine.

Pipeclean® can be retrofitted to existing exhaust facilities without any problems.

The extracted cooling lubricant automatically cleans the "insides" of Pipeclean® and can be lead back into the chip container or into the dirt tank of the filter system immediately.

Pipeclean® is available for any conventional pipe diameter.

Extremely low air resistance.

The air resistance in the Pipeclean® is a function of duct velocity, the coolant material loading, and the system design. With these variables defined, the units are designed to operate at the lowest possible pressure drop conditions.

Rerucha™

technology
for machine tools

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