

# 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

**Rerucha** GmbH  
Weilimdorfer Str. 44  
D-70825 Korntal  
Germany  
Telefon +49 - 711 - 8 66 10 07  
Telefax +49 - 711 - 8 66 10 00  
raimund.rerucha@rerucha.de  
www.rerucha.de