

## Sludge Vacuumer for coolant contaminants, Model SV-101

Sludge Vacuumer, Model SV-101 has been developed to facilitate the removal of Sludge in water-soluble and oil-based cutting fluids in metal processing lines, particularly coolant tanks, but also in building maintenance and a wide range of industrial processes.

This model can be easily moved between production lines.

The heart of the unit is a specially developed air driven pump. The unit does not need any electrical connections.

Sludge as fine as 8 microns is collected in a fine mesh stainless filter avoiding the cost of replacement filters or other consumables.



Up to 100 liters /min. are filtered and pumped back to the tank, allowing maintenance of the tank under running production.



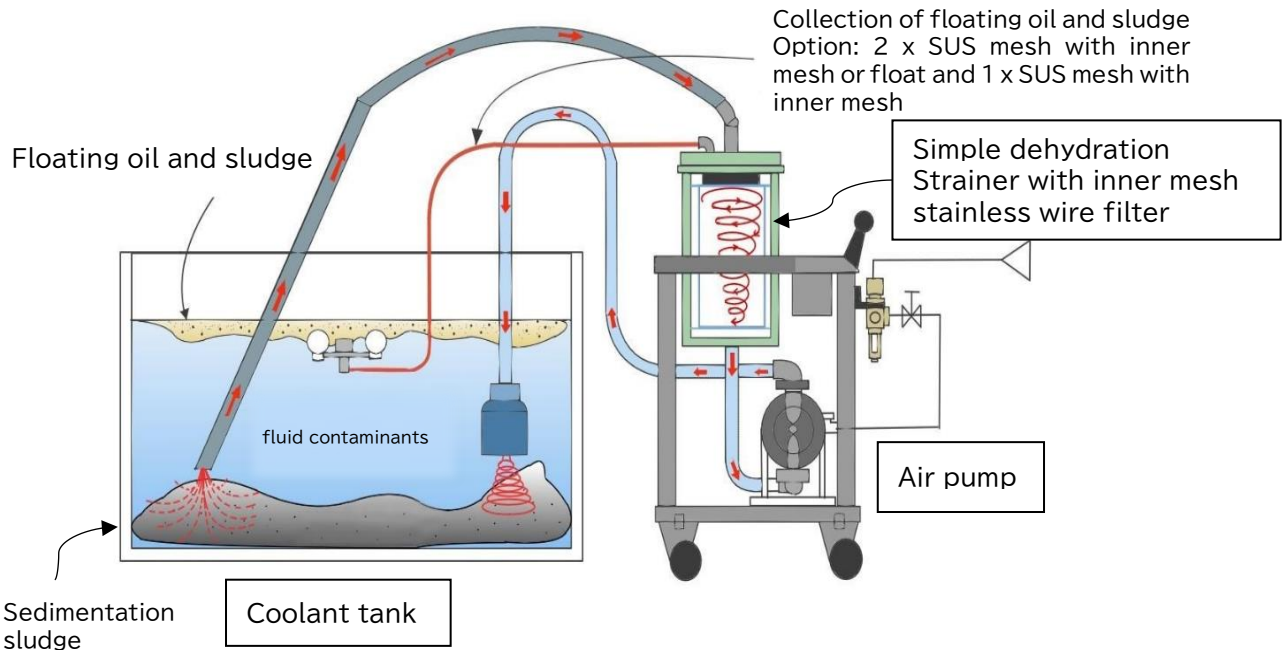
Example of Aluminum Sludge, dehydrated in 30sec. inside the unit

### Advantages

- Easy operation and handling
- Reduction of cost & time for the maintenance of production lines
- Low running cost, as no consumables (e.g. back filters) are needed.
- Safety operations as no electrical connections are needed.
- Maintenance free.



### Schematic of Sludge Vacuumer



The strainer is a stainless steel mesh filter that can be used repeatedly.



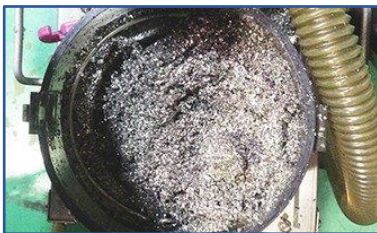
### Examples of sludges collected by sludge vacuumers.



Reduction of machine tool breakdowns and odors



Clogging of machine tool nozzles is reduced.



Extending the life of cutting tools and coolant solution



Unique collecting SUS net with patented whirlpool.



Casting sludge (when oily liquid is used) can be suctioned.

### Specifications

- 1) Separation method: Sludge is supplementally separated and collected by the separation filter built into the strainer.
- 2) Separation filter: SUS metal mesh filter (#40 to #200 mesh) PE material filter (1, 5, 10, 25, 50, 100 micron) for fine sludge
- 3) Suction capacity: 10-50L/min (pump ~100L/min x 8.0mAq)
- 4) Feed air pressure: 0.3MPa
- 5) Applications: Sludge in water-soluble and oil-based cutting fluids (Max 60°C) of machine tools, etc.
- 6) Operating conditions : Use on a level floor. Note that the return liquid has a flow velocity.
- 7) Approximate dimensions and weight: W 360 × L 470 × H 840 mm, Weight approx. 30 kgs

**Manufacturer: Sanki Technos Co., Ltd., Tokyo, Japan**

**Exporter: Uchida Corporation Tokyo, Japan**

<https://uchidacorp.co.jp/en/>