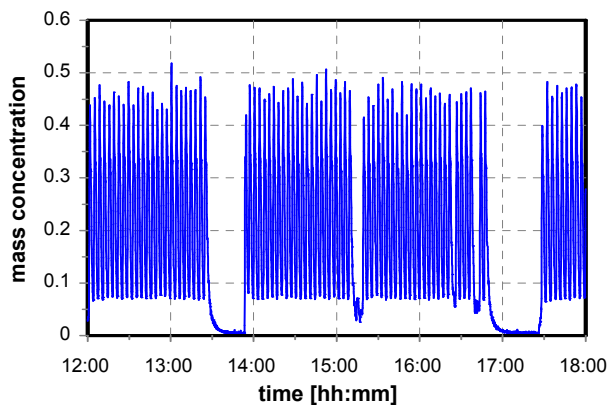


Waste water segregation system - **Aello 5000 plus**



The growing consumption of ultrapure water and slurries caused by CMP-processes in the semiconductor industry requires new solutions to economise these cost intensive resources. The **Aello 5000 plus** is an innovative segregation system for the segregation of waste water by concentration and kind of waste. This concept allows the purposeful treatment of CMP waste water streams by :

- increase of the recycling rate of water
- reduction of CMP-Waste
- recycling of CMP-slurries for a reuse in other industries
- prevention of pipe jams caused by the mixing of chemical reactive components



The Aello 5000 plus stand alone system is designed for:

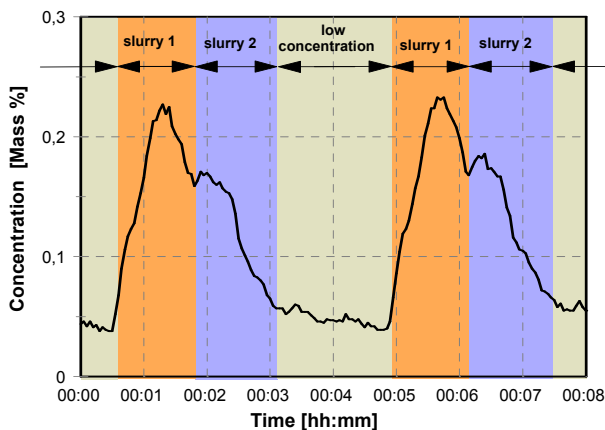
- the specific demands of waste water segregation at CMP
- segregating clear water from waste water, which contains a high solid concentration
- segregating different types of solids in waste water (e.g. CMP-Oxide or Tungsten)
- an automatic working regime with very low maintenance efforts

Aello 5000 plus contains:

- measurement system - **Aello 5000** sensor probe plus integrated signal treatment
- strainer to hold back broken wafers
- switch with minimized dead room for segregation

Facility Interface:

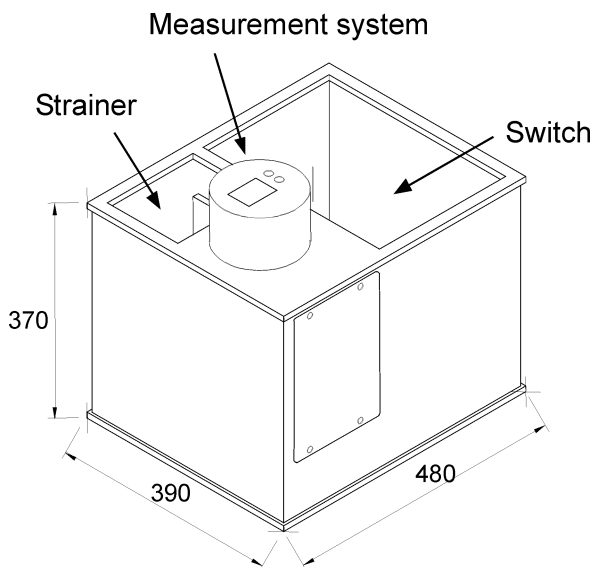
- Inlet / drain: DN 50
- Pneumatic supply: > 3 bar, 1 Nm³/h
- Power supply: 110/ 240 VAC
50/60 Hz 30 W
- Serial interface: RS 232 (RS 485)
- Flow: 2 m³/h (5m³/h)





Special features:

- All parts (strainer, sensor, switch) of **Aello 5000 plus** can be removed easily.
- A control window allows a quick visual check of the strainer
- The contactless measurement principle does not require any sensor cleaning.
- The integrated microprocessor calculates the concentration and distinguishes between different kinds of solids.
- menu guided and user friendly communication via LCD-Display.
- free programmable switching points
- transfer of measured data via RS 232 interface to a monitoring system or to a ordinary PC
- software for WIN 95/98/NT data acquisition available



Advantages:

- **Aello 5000 plus** is a complete solution for the measurement of concentration and kind of slurry as well as for the segregation of waste water.
- **Aello 5000 plus** fulfils the specific demands of waste water segregation at the CMP
- The sensor system **Aello 5000 plus** is insensible against wasting, has a robust design, a reasonable prize and extremely low-maintenance requirements.

Aello 5000 plus is a solution for water and solid recycling processes as well as for the separation of reactive components in waste water