



# Gore™ Filtration Products

Chemicals Industry

## Case history 9

## Platinum

### OPTIMIZATION POTENTIAL

The customer operates a furnace in which precious metal scrap is molten. Platinum is made available for recycling. The fumes of this furnace still contain some Platinum dust which the customer wanted to recover.



Picture: Recovery of Platinum dust from melt shop



Photo: Umicore AG & Co. KG

### SOLUTION

A collection system for the off gas fumes has been installed. All collected gas streams are combined and filtered in a dust collector. This collector utilizes high efficient GORE™SINBRAN® Filters.

### RESULT

After only half a year of operation, the amount of collected and recycled dust added up to about 1 kg – worth more than the SINBRAN® filters had cost.

- Application:** Fume collection from a Platinum furnace
- Process:** Furnace · Off gas collection system · SINBRAN® Filter · Exhaust Fan
- Number of lines:** 1
- Gas flow rate:** 3.500 m<sup>3</sup>/h
- Temperature:** Ambient
- Filter area:** 35 m<sup>2</sup>
- Emissions:** Dust: <0,1 mg/Nm<sup>3</sup>
- Filter material:** Gore™ SINBRAN® Filters

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