

## Application

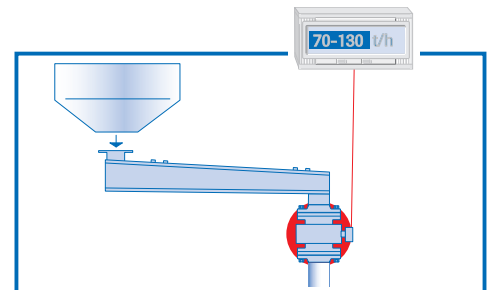
The cement mill plays a central role in the process of cement production. In the cement mill cement is ground, to obtain a predefined grain size. Via the mill reject flow excess material with a too great grain size is separated and returned to the grinding process via a return pipe. To keep the mill in the optimum level of efficiency, a continuous flow measurement for the return flow is necessary.

Our customers goal was to retrofit the existing installation with a measurement of the mill reject flow. Because of the very restricted space conditions the use of a conventional baffle plate was not possible. Furthermore no mechanical working system was able to fulfill the requirements for accuracy, wear free operation and calibration capabilities.



## Process data

Customer:	Zement- und Kalkwerke Otterbein (Germany)
Product:	Raw meal
Quantity:	70-130 t/h
Installation place:	Mill reject flow
Function:	Mass flow measurement of coarse material in mill reject flow

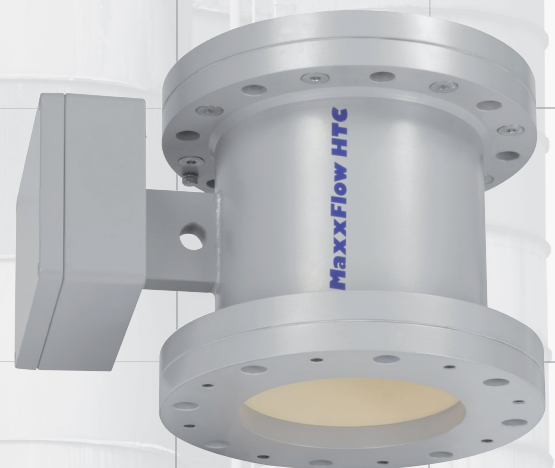


## Solution

The MaxxFloW HTC measures high mass flow rates from the exit of pre feeding devices e. g. screw conveyors, air slides, rotary valves or bucket elevators. Due to its low height of 300 mm it was possible to fulfill unalterable building specifications. Characteristics as the low height, maintenance and wear free measurement and an easy calibration make the MaxxFloW HTC an effective mass flow measurement device for large volumes of bulk materials. The MaxxFloW HTC has not only proven in the building materials industry, but is also used in fields as chemistry, energy and environment and in the steel industry.

## Customer benefit

- wear free in comparison with other measurement devices
- low installation height, therefore minimization of the costs for the reconstruction
- no flow restrictions to the process flow
- simple calibration



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