

# Production of drywalls

## Quantity measurement with MaxxFLOW HTC

### Application

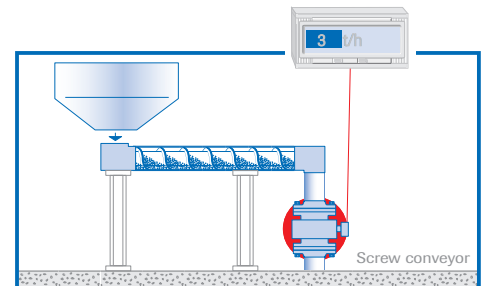
A manufacturer of building materials producing drywall products. The production process uses clay, which is fed by a screw conveyor from a silo onto a conveyor belt. Between the two conveying devices the material quantity requires to be measured. This was performed by an Impact Flowmeter.

Using the Impact Flowmeter the clay caused contamination and material build up. Our client contacted SWR to offer a solution to eliminate the current problems and also being able to increase the throughput. The system had to be able to be maintenance free over a long period.



### Process data

Customer:	Building materials industry (Germany)
Product:	Clay
Volume:	650 kg - 3 t/h
Installation location:	Freefall after screw conveyor
Function:	Contactless measuring in freefall, replacement of an Impact Flowmeter



### Solution

The MaxxFLOW HTC is a none contact flowmeter capable of measuring high flow rates of dry bulk solids from the discharge of free feeding devices, e. g. screw conveyors, air slides, rotary valves and bucket elevators.

Compared with the previous Impact Flowmeter system the MaxxFLOW HTC solved the contamination, material build up, which created errors, and down time due to the high maintenance program required.

### Customer benefit

- Contact free measurement of high throughput rates
- Elimination of material build ups and pollution
- Maintenance free
- Elimination of Impact Flowmeter specific problems such as dust formation



**SWR engineering Messtechnik GmbH** · [www.swr-engineering.com](http://www.swr-engineering.com) · [info@swr-engineering.com](mailto:info@swr-engineering.com)  
 Gutedelstr. 31 · 79418 Schliengen (Germany) · Tel. +49(0)7635-8272-48-0 · Fax +49(0)7635-8272-48-48