

# Level limit measurement in sawdust and wood dust

## The challenge

Our customer operates a wood processing factory in the Moscow region. He requested limit switches for a great plenty of storage silos filled with saw dust and wood dust. The sensors from other manufacturers always recorded errors due to the change in the material density when changing the type of wood in the process.

## Our solution

The customer was able to solve this problem with the VIBRANIVO VN4030 series vibration sensor. As long as the bulk weight of the sawdust is greater than the sensitivity of the sensor, it does not matter which kind of wood is used in the process. The VN4030 can measure bulk solids from a bulk density of 30g / l and is extremely robust. It is usually installed sideways slightly obliquely downwards in the container wall, so that the wood flour can slide off the fork as the level falls. This increases operational safety. In addition, the standard version is suitable for a temperature range of -40 ° C to + 150 ° C, which is an advantage in these earth regions.



## Products



### VN 4030

#### Full, Demand, Empty Detector

Tube extension version

- Vertical, horizontal and oblique installation.
- Cost competitive level detector.
- Able to withstand high mechanical loads due to short extension length.
- Shaft length up to 4000mm available.
- Flexible height adjustment.