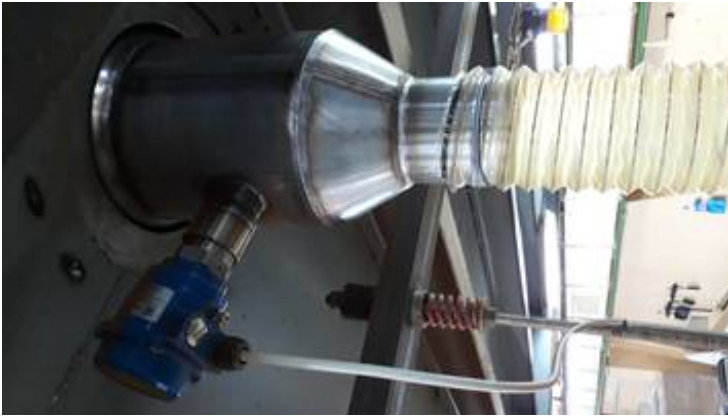


## VN 4020 in a packaging machine with instant coffee and cocoa



### The challenge

Our customer is a specialist in the production of roasted coffee beans as well as roasted ground coffee, instant coffee and cacao. He was looking for a reliable solution for control the level of the solids on a packaging machine. The product, the sensor has to measure, is constantly changing. A sensor has to be reliable and works with all this materials. A further challenge is, that the

solids are sticky and they should not be mechanically influenced by the sensor. That means, the soft granulars should not be damaged. This would destroy the quality of the instant products.

### Our solution

The solution is the vibration sensor Vibranivo VN4020. It is a fork with a high sensitivity, that it will not destroy the instant granulars, but with enough power, that it has a self cleaning effect to avoid malfunction by caking at its brackets. Specially the additives like milch powder or sugar could cause some caking. The stainless steel sensor is fine for food applications and its sensitivity of 30g/l good for reliable signals.



### Products



#### VN 4020

##### Full, Demand, Empty Detector

Short version

- Vertical, horizontal and oblique installation.
- Cost competitive detector.
- Compact extension length: 170mm.
- Ideal for small process vessels and large silos.
- Able to withstand high mechanical loads due to short extension length.