

## Level limit measurement in extrusion processes

### The Challenge

Our customer, a window frame producer, required to monitor the fill level of plastic powder in numerous extrusion and holding vessels. It was important that the measuring technology retains functionality in a very dusty environment. The application for a fall and empty detection should be robust. The powder has a low DR value of less than 2.0 and a density of about 700g/l.

### Our Solution

The IFF rotating paddle sensor R400000-040000 series fulfills these requirements. This is made possible through the R400000's high quality grinding wheel measurement (adjusted to the density of the bulk goods) and the optional sealing against dust. With these features, the R400000 series is particularly fit for such applications in many areas of the extrusion sector. The R400000 series is also internationally approved by ATEX, IECEx, CSA, FM, TR CU and R400000.



### Products



#### R400000

#### Fall, Demand, Empty Detector

#### Short version

- Vertical, horizontal and oblique installation.
- Compact beam length, from 10mm.
- Particularly suitable for small process vessels.
- Increased space within housing allows for ease of access for wiring.
- Fiberglass sensor available for use within potentially explosive atmosphere gas.
- SIL 2 certified.