

Ingeniously simple and reliable
level measurement technology



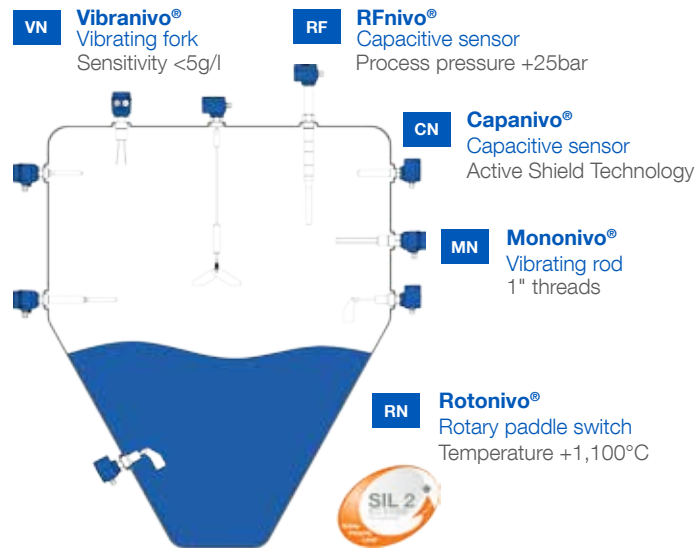
Solutions for the
Synthetics Industry



Versatile solutions for versatile processes

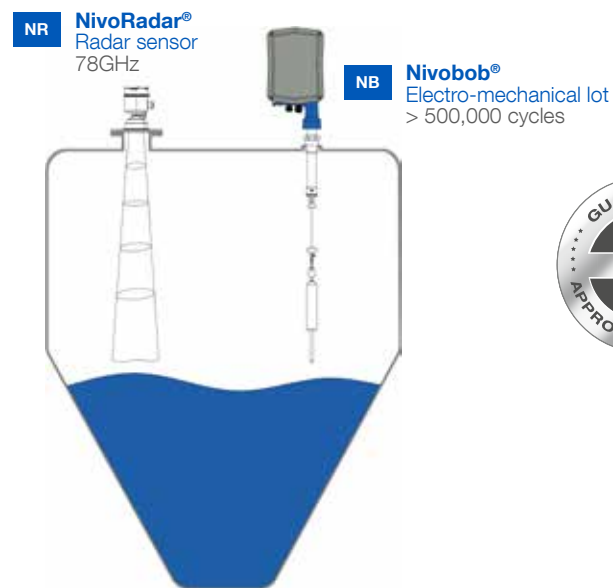
UWT has developed reliable sensor technology for the measurement tasks of the synthetic industry that meets a variety of demanding conditions.

Level Detection:



- Reliable full, demand, empty detection
- Modular product design & KIT solutions
- Sensitive to the lightest bulk materials < 5g/l
- Very low DK values from 1.5
- Heavy mechanical loading
- Anti-caking functionality
- Rotary Paddle Level Switch with SIL 2

Continuous Level Control:



- Use in narrow, high silos up to 100m silo height
- Exact results due to variable sensor weights
- Precise sensor installation with aiming flange
- Unaffected by dust, moisture, noise
- Integrated lens cleaner
- Process temperatures up to 200°C
- Easy installation and commissioning



Continuous and point level detection within synthetics handling processes

UWT offers an extensive range of high-quality sensors for the detection of continuous and level limit measurement for branch-specific applications in the synthetics industry. Measuring technology is used in various areas during the processing and production of plastic granules as well as powders: automotive, windows and doors, foil, packaging, profiles, small plastic parts, rubber, recycling, etc.

Typical processes in synthetics handling plants with UWT recommendations for suitable measurement solutions:

Storage **NB NR RN NT**

Level measurement, overflow protection and empty signal in storage silos



Main features

- Measuring range up to 100m
- Measurement during filling process
- Reliable overflow protection
- Plug and play

Expansion of particle **VN MN**

Level measurement in automatic moulding machines, primary & secondary tanks



Main features

- No moving parts
- Compact sensor
- High sensitivity for finest material
- Precision despite electrostatic charging

Dosing/Mixing **RN CN MN**

Level measurement in dosing and mixing containers



Main features

- Precise point switching
- Rapid reaction
- Small threaded connection
- Adjustable signal output

Injection molding/ Extrusion **RN MN VN**

Level measurement in the plastics processing stage

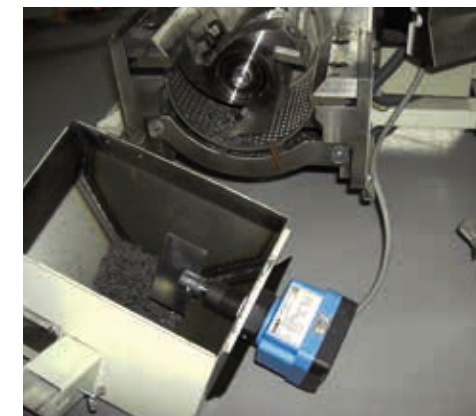


Main features

- High process pressures
- Variable extension lengths
- Reliable switch off
- Easy installation and commissioning

Grinding/ Milling **RN RF VN MN**

Level measurement in grinding/milling processes



Main features

- Compact sensor
- Dustproof design
- Rapid reaction
- Abrasion resistant

Drying **RN RF MN**

Level measurement in drying process and intermediate container



Main features

- Robust measuring method
- Adjustable signal output
- High process temperatures
- Maintenance free



Discover here a selection of successfully solved applications within the synthetics sector using UWT measurement technology.

www.uwt.de/synthetics

The right measurement technology for every process within your plant

UWT with its high performance technology and advanced solutions is able to support and ensure the smooth operation of the production process:

- **Highest quality means long service life**
Product performance rating of 99.8% !
- **Individual product concepts**
Flexible, modular and economical
- **Planning security through precision**
Modern sensors with maximum compatibility

Level monitoring and visualisation:

NT Nivotec®
Visualisation software
World-wide access



All - in - one Solutions

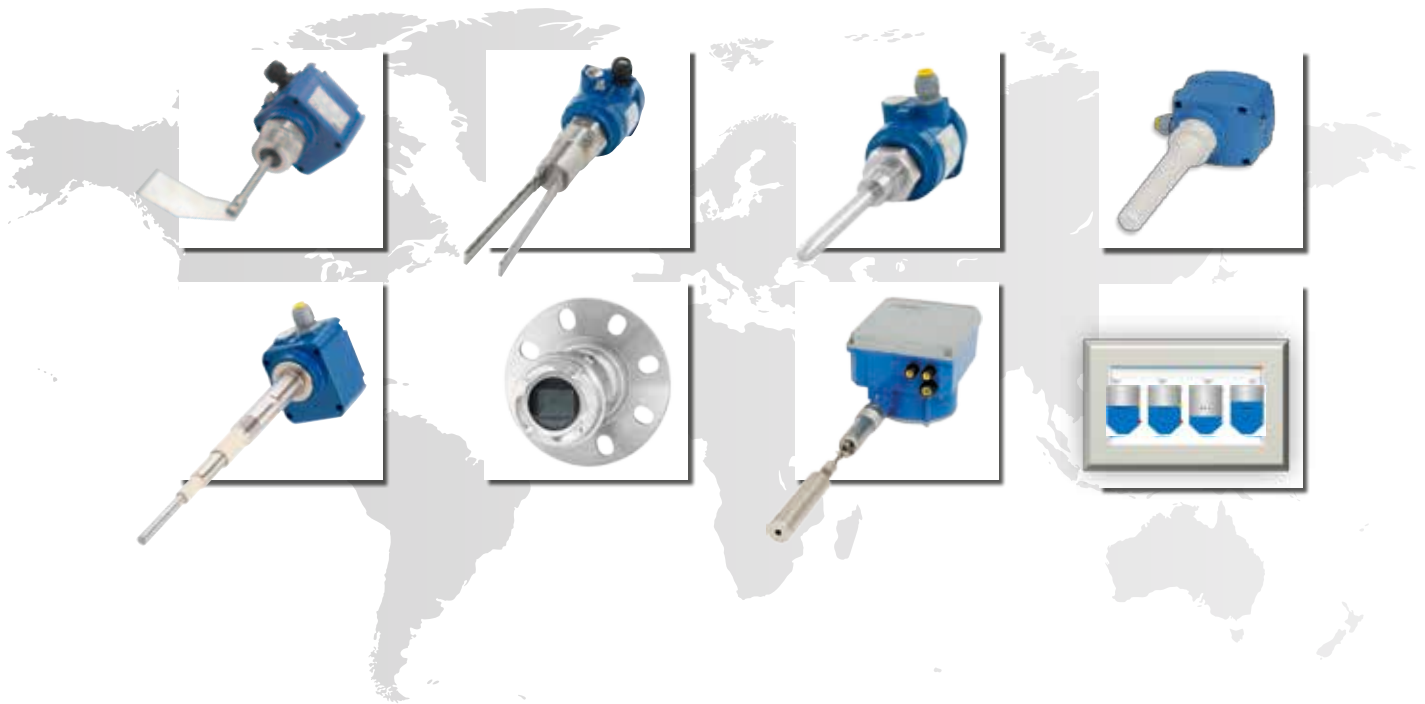
Nivotec® level monitoring and visualisation is centrally managed within applications using internet or mobile data transfer.

- Complete system for level indication, trend display, data storage, remote fill level analysis
- Fill control by alarm full detection
- Transparency & Efficient silo management



Experts in innovative measuring technology since 1977.

We design reliable **solutions** and long-lasting products,
tailor-made according to the **needs** of our customers.



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