

Non-contact Measurements for Process Control



What measuring problem can we solve for you?

BERTHOLD TECHNOLOGIES offers measurement solutions where conventional measuring technologies fail.

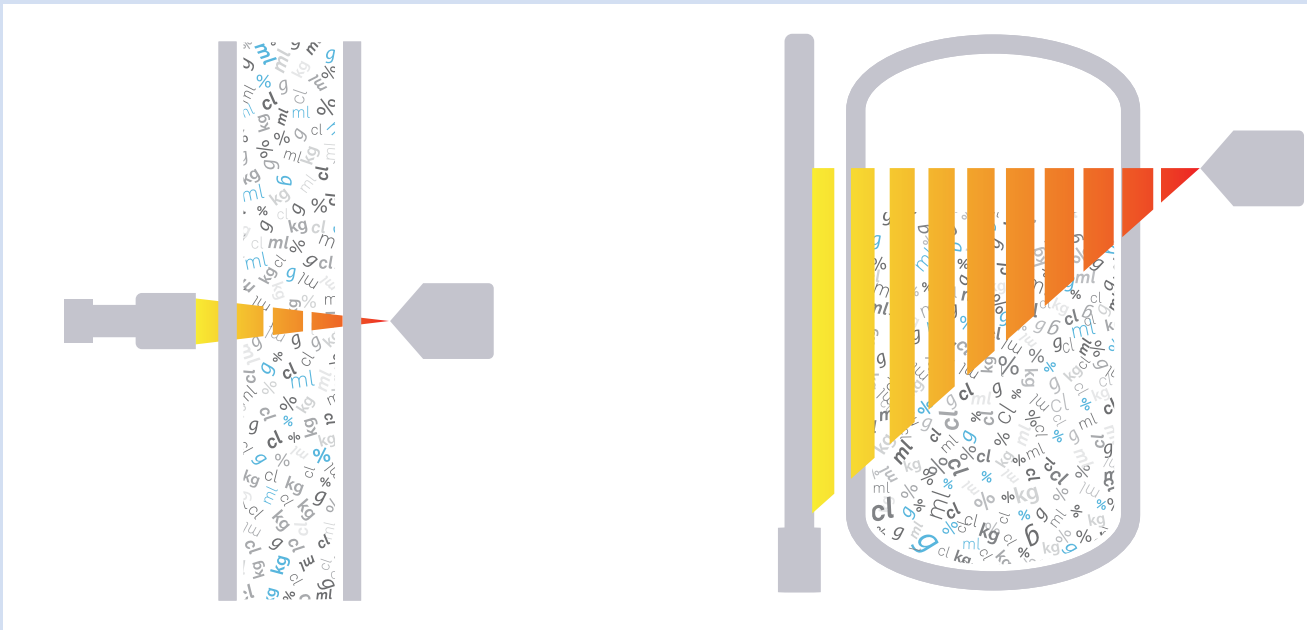
For more than 60 years, BERTHOLD TECHNOLOGIES has successfully provided non-contacting and non-intrusive measurement solutions to a wide variety of industries. As the global leader in radiometric technology, we use our vast experience to develop, together with our customers, the perfect solutions for innovative and individual measurements.

Worldwide experience, quality and proven reliability are the standards for which we are known.

From the concept stage of a project through the commissioning and installation phase, BERTHOLD TECHNOLOGIES' worldwide network of subsidiaries and partners will provide technical expertise and the support you need to successfully complete your project.



Non-contact measurements we can perform:



What is inside?

We can determine components and their proportions both non-contacting and continuously, either in pipes, tanks, belts and other storage and conveying systems.

Typical measurements are:

- Moisture
- Dry mass
- Density
- Water content
- Concentration

And anything else you can think of!

How much do I have?

Levels, conveyor loads, mould levels and interfaces are just a few of the measurements we can do – online and in real time! Since our systems are mounted outside of the process, we can even perform measurements where it's impossible to use contacting probe or other intrusive technologies.

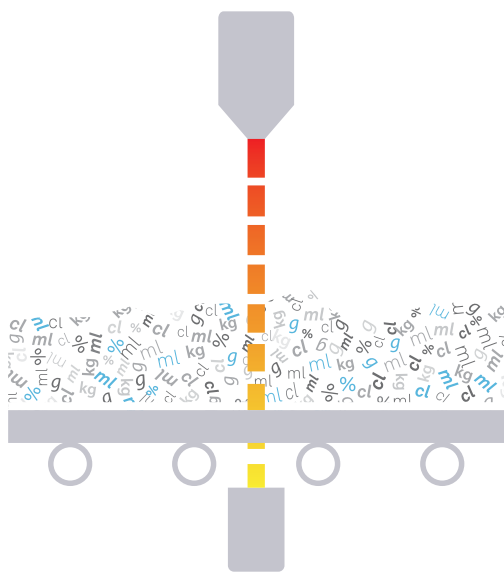
Non-contact – Perfect

The detectors do not come into contact with the measured product and are, therefore not subjected to any wear.

They can be installed on both existing and new systems. They work independently of the physical properties of the product and are therefore, universally applicable without modification of the plant.

When reliability matters

BERTHOLD TECHNOLOGIES measurement systems are characterized by accurate and repeatable results. Due to the nature of our non-contact, non-intrusive technology, maintenance is not required. In thousands of applications worldwide, BERTHOLD TECHNOLOGIES' systems are operating precisely and troublefree in the most demanding of process conditions.



How much is being moved?

The material throughput can be measured reliably, online and without contact on a wide range of conveying systems.

Typical conveying systems are:

- Conveyor belts
- Screw conveyors
- Free fall
- Chain conveyors
- Pipelines

Our instruments are also used to retrofit older systems and thereby provide in many cases additional years of effective system life, which avoids expensive source exchanges as well.



Where we can measure successfully:

Extreme measuring conditions

Our measurement systems work in the most demanding and hostile of process conditions. Extreme temperature and pressures, corrosive and abrasive atmospheres – these are conditions in which our systems operate. In many cases, our equipment is the only solution available as compared to intrusive, probe type contacting technologies!

- Chemical plants and refineries
- Glass industry
- Power plants
- Cement-ceramic-production
- Food industry
- Coal and coke
- Steel industry
- Pulp and paper industry
- Mining
- Concrete production





Always at your service! Worldwide.

Process measurement problems are our specialty. We are always open to listen to your toughest measurement tasks, and with over 60 years of experience, we have the right solution to solve even your most difficult measurement challenges!

Our sales engineers are looking forward to your enquiry.

BERTHOLD TECHNOLOGIES, one-stop perfect solutions.

With a worldwide network of engineers and service technicians, BERTHOLD TECHNOLOGIES is capable of supporting projects around the corner or around the world. Our support can take many forms depending upon customer requirements. However, no matter what your process measurement requirements are, our qualified personnel will be at your side in no time at all.

And on that, you can rely!



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