

BUILDING and MINERALS MATERIAL INDUSTRY





Measurement

Moisture Bulk Flow





ACCURATE AND RELIABLE ON-LINE NIR and MICROWAVE MEASUREMENT GAUGES





BUILDING and MATERIAL PROCESSING

MOISTURE AND BULK FLOW MEASUREMENT ON TRANSFORMATION AND EXTRACTION

With more than several thousand NIR and microwaves gauges running worldwide, for on-line process measurement and control, **EDIT**, by working closely with the global bulk industry for more than 30 years, offers a high quality range of accurate and reliable moisture and flow measurement gauges.

EDIT NIR instruments, by using the latest NIR technology, challenging INFRARED functional limits allows a stable and accurate measurement on variable processes, such as size grading product, colour and temperature variation.

EDIT FLOW microwave gauges are used worldwide by building material and mineral industries for on-line bulk flow measurement or detection.

As bulk products like powder, aggregates, flakes or pellets form, are carried on an open belt conveyor or in a close pipe, the robust and stable **EDIT NIR** and **EDIT FLOW** instruments will help the building material and mineral industries to optimize their process, to stabilize the quantity produced, to improve the performance and to reduce downtime and halts in production to get a higher quality and better process performance.











Wood

- H²O measurement on wood chips for wood based panel industries (OSB, MDF, particle wood)
- · Wood saw dust flow measurement

Brick making and ceramics

- H²O measurement on clay and ceramic powder on belt conveyor
- H²O measurement on ball clay, refractory clay
- Wood saw dust flow measurement for furnace supply
- H²O measurement on wood dust supplying the furnace in a free fall pipe with a sampler















Minerals transformation

Bentonite, cement, coal, latonite, sand, lime, salt, glass and peat

- H²O measurement on bentonite powder
- H²O measurement on cement mill
- H²O measurement on mixing aggregate sand and cement, for the pre-cast concrete products
- H²O measurement on furnace slag
- Cement flow detection in free fall pipe
- H²O measurement on crushed or powdered coal
- H²O measurement on coke dust
- H²O measurement on latonite powder
- H²O measurement on sand
- H²O measurement on crushed limestone
- Flow measurement of powdered limestone
- Flow salt measurement in a free fall application
- H²O measurement on salt
- H²O measurement on glass cullet
- H²O measurement on fiber glass
- H²O measurement on peat moss

Mineral extraction

- H²O measurement on bauxite
- H²O measurement on calcium fluoride
- H²O measurement on copper powder, granulates
- H²O measurement on nickel powder, granulates
- H²O measurement on gypsum
- H²O measurement on kaolin granulate
- H²O measurement on potash
- H²O measurement on talc
- H²O measurement on potassium



Precast concrete

• H²O measurement on the aggregate, sand and cement mixing

EDIT NIR AND EDIT FLOW APPLICATION EXAMPLES IN THE BUILDING MATERIAL INDUSTRY

Several hundred sensors working worldwide for more than 30 years



EDIT FLOW GAUGES IN OPERATION IN THE BUILDING MATERIAL INDUSTRY

Bulk flow on-line measurement



Ready to be used in freefall or pneumatic applications, the **EDIT FLOW** gauges, in their stainless steel, Atex or standard versions guarantee to the building material and mineral industries an accurate and reliable on-line bulk flow measurement.

The building material and mineral product can appear under different forms, such as powder, flakes, granulates, chips and are carried in various process conditions.

The **EDIT FLOW** on-line measurement gauges can be used at each stage of the process with the same accuracy and repeatability results, to ensure better building and mineral process quality control.



OD BULK FLOW ON-LINE MEASUREMENT

- Wood
- Brick
- Reinforced concrete
- Cement
- Coal
- Sand
- Kaolin



Pipe



EDIT NIR GAUGES IN OPERATION IN THE BUILDING MATERIAL INDUSTRY

Moisture on-line measurement



EDIT NIR offers to the building material industry one of the NIR physicochemical constituent measurement gauges, both flexible and functional.

Installed on the belt conveyor process, the **EDIT NIR** gauges measure at a distance between 250 mm to 450 mm without adjustment and without the measurement being affected.

In case of discontinuous process some specified tools can be adapted to detect the product presence.

EDIT NIR gauges measurement is free of the building material process problems such as important ambient light, temperature, humidity or colour.



EDIT NIR GAUGES IN OPERATION IN THE BUILDING MATERIAL INDUSTRY

Moisture on-line measurement



With a powder sample for on-line measurement of building and mineral material in a freefall pipe, EDIT has developed a stainless steel powder sampler and a sapphire window with no moving parts. The powder sampler makes it possible to measure in closed installations.

The powder sampler is composed of a tube and a collection cup. Once the cup is filled with the falling product and measured, an air kit blows the product out of the cup, and, the cycle start again.



EDIT NIR on-line measurement gauges can easily be installed on a tank or in a closed pipe full of a food powder of grain, such as flour or pet food pellets.

By using a glass windows and stainless steel rings to directly weld on the pipe, the **EDIT NIR** gauge will measure very accurately on every kind of closed pipe, tank or vessels, full of building and mineral material.

EDIT products are distributed worldwide by an EDIT exclusive REP and subsidiaries network. To find out the one able to help in with your measurement project, please visit our website or contact us.

BUILDING AND MINERAL INDUSTRIES APPLICATIONS

To enhance the building and mineral processing control by using on-line measurement high product quality.

The global building and mineral industry faces daily challenges to ensure the same product quality to its customer while optimizing the production process.

Product variations due to seasonal influences, product forms change (powder, granulate, flake, etc), different methods of product transportation and the diversity of building and mineral products.

There are many parameters which can affect the building and mineral processing and improve on-line quality control.

EDIT engineers, produce and sell worldwide, a high quality gauge range adapted to every kind of building and mineral process specification ; fast accurate and easy to operate for high performance building and mineral process measurement.

EDIT NIR

A range of fast accurate and easy online NIR measurement gauges for more than 30 years.

- H²O
- Fat
- Protein



EDIT FLOW

A range of industrial high quality microwave on-line Solid Flow measurement gauges for:

- Powder Flow
- Pellets Flow
- Chips Flow
- Grain Flow





Measurement of

- Moisture
- Flow

Processing of

- Wood
- Wood based panel
- Ceramic
- Clay
- Cement
- Limestone
- Glass
- Coal
- Precast concrete
- Gypsum
- Talc
- Potash
- Bauxite



EDIT is a FRENCH company, specializing for more than 30 years in design and manufacturing of measuring devices for industry.

EDIT annually supplies several hundreds of infrared and microwave devices to industrial customers all around the world, so they can simply and reliably control their process.

EDIT invests every year in human and material resources to guarantee to customers the same quality, product innovation and reliability.

EDIT is an active member of numerous technological clusters, and is recognized as an innovative company in the market.

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