

DATA TO ACT ON

# Inline Analysis



SOURCE | TECHNOLOGY





# Get crucial data to act on

## Add valuable, cost-saving, and automatic analysis to your dry goods production line

Our inline sampling and analysis technology is primarily suited for extruded feed and food production as well as industrial non-food products.

Source Technology offers inline analysis technology that automatically analyzes samples of your production to ensure quality. Running analyses and samples frequently makes it easier to eliminate or considerably reduce quality problems and production errors.

We offer a patented technology for individual phases of your process or for your entire processing line.





# Dry goods examples





# Dry goods examples





## Types of analysis

We primarily offer analysis in:

- Bulk density

Secondary analysis, we build on request:

- Moisture index
- Visual product control and product sizing
- Temperature
- Sampling

We can analyze these products sizes:

- Pellets
- Granulates
- Powders
- Pearls
- Beds

Examples of dry bulk product types:

- Plastic pellets
- Washing powder
- Animal feed
- Cereal products
- Grain
- Metals
- Coffee beans, ground and freeze-dry
- Cork
- Chips
- Protein powder
- Wood pellets
- Asphalt
- Battery powder

... and many more. Just ask!





# Get started now

We aim to support you in every way possible. By understanding your needs we aim to give you the best possible experience.

## 3 ways of getting started with the inline analysis

- Book a product analysis test for approval, performed by our specialist in the Wenger technical Center.
  - Rent the Bulk Density System – BDS™
- ... or book a meeting for further details

## At your service. All the way.

- Analysis technology, suited to your needs
- Training
- Installation
- Service and maintenance
- Spare parts





# Bulk Density System – BDS™

The BDS™ **primarily** measures the actual bulk density in all kinds of dry products. The dry product can be both hot or cold and for example pelleted, extruded, or powdered products.

The BDS™ is placed at key stages of your production line, where the fully automatic technology eliminates manual resources for sampling and measuring. The analyzed product stays untouched and can be returned to your product flow. This way you avoid wasting product. Extracting samples permanently is also an option.

With a high frequency of analysis every minute, you can eliminate weight inconsistency problems. Your product weight stays under control all the way to the end of the line, eliminating over- or under-filled bags. The high-frequency data also gives you superior control over your essential processing equipment's ongoing performance, such as, for example, extruders. Detected variations can possibly mean mechanical failure.



**BDS™**

Density and moisture analysis every minute.



The BDS™ can be fitted with a selection of **secondary** analyses:

- A moisture index module, that measures variations in the moisture percentage of the bulk product, which can prevent poor mouth-feel and packages with “clumped” products. The BDS™ gives you density and moisture analysis every minute.
- Visual product control is also a possibility with the addition of a camera sensor and collection of images for manual inspection. This enables sizing control.
- Finally, a temperature sensor can be installed. It can, for example, help you monitor significant temperature variations in your production line, which affects bulk density measurements. Or it can ensure that the product is cooled down and ready for packaging.

## Built on request

### Gloss Analysis System – GAS™

Detect absorption of oil and fat after coating inline. This enables you to determine, if the shininess in the product is adequate or not.



**GAS™**

### Single Point Sampler – SPS™

An inline sampler designed to remove a sample from the product flow and release it externally for visual inspection or laboratory validation.



**SPS™**

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