



Online Particle Size  
Measurement  
Solution.  
**DYTA.**

## Optimal particle size for your livestock.

The Bühler online particle size measurement solution automatically takes a sample from each batch at the mixer. The sample is then analyzed by an optical sensor and a granulation curve is created. Hence, it replaces the time-consuming manual sieve analysis.

### Improved digestibility for maximum animal performance.

Our online particle size measurement solution delivers a constant overview of the particle size distribution in your process. This enables you to better use your raw material, create optimal particle sizes for different livestock and increase the stability of your pellets. All this can result in a higher Feed Conversion Rate and finally increased animal performance.

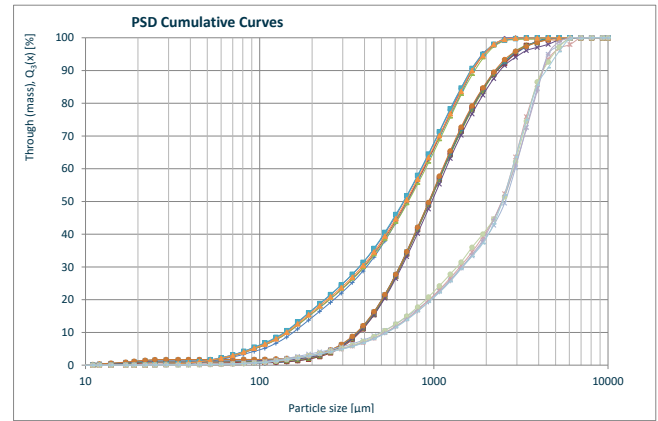
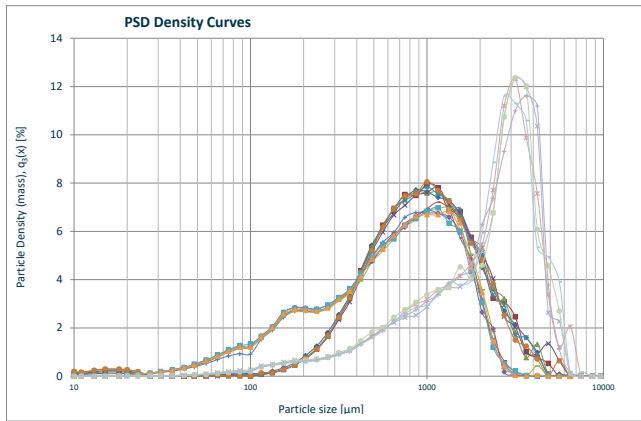
### Traceability.

All the generated data is recorded and made visible to you. Having this data at hand is not only beneficial if it comes to derive findings from the trend or process parameters but also as proof in case of a back tracing of your product.

### Benefits:

- Higher profit
- Constant animal performance
- Increased process transparency
- Projectable maintenance
- Reduced production cost





Example of resulting granulation curves.

## New ways to optimize your process.

Used optimally, our online particle size measurement solution ensures a constant granulation within the production process. In an interval of 3 min. the results are transferred to the plant control. This enables immediate counteractions in case of deviations. One measurement contains 50 particle size classes which equals a typical sieve pile of 2.5 meters. Moreover, the results are very accurate and free from inaccuracies which can happen during the time-consuming manual sieve analysis. Therefore, it's an optimal solution to comfortably bringing your product quality to the next level.

## Immediate visibility of wear and tear.

Thanks to the continuous and rapid monitoring of the granulation, wear and tear in the grinding section can be detected immediately. This makes maintenance work more projectable and the amount of unplanned plant downtime is reduced significantly. Furthermore, due to less fluctuations in the subsequent processes resulting from constant granulation, production costs will be decreased.

## Know-how meets high-tech

Bühler has been playing a key role within the feed processing industry since 1927 and has a vast experience in sensor technology. These more than 90 years of industry experience combined with our extensive know-how in sensor systems help us to create just the right solution for a stable and reliable animal feed processing.

## Technical data.

<b>Duration of measurement</b>	165 - 195 seconds
<b>Particle size range</b>	Between 10 to 5000 µm
<b>Standard deviation for d50</b>	≤ 2.5%
<b>Typical key parameters</b>	d10, d50, d90
<b>Dimension of unit</b>	approx. 120 x 750 x 30 cm (LxWxH)
<b>Weight of unit</b>	approx. 50 kg
<b>Approvals</b>	Ex II 3D T=130 °C X
<b>Suitable for Speedmix™</b>	4000, 6300, 8000

### Bühler AG

CH-9240 Uzwil, Switzerland T +41 71 955 11 11  
buhlergroup.com F +41 71 955 66 11

