



**Bühler Services**  
Partnering for better outcomes

## Dryingpro Moisture control

Augmentation du rendement | Digital service

### Increased dryer yield

Even small percentage gains can mean significant increases in yield and profitability over time. DryingPro Moisture Control automates the dryer operation to optimize performance, bringing more product closer to target moisture. This increases overall yield by preventing over drying. It also eliminates the risks associated with under drying.

### Continuous monitoring, constant control

DryingPro Moisture Control uses microwave sensor technology, coupled with controls that use algorithms built on decades of drying experience. The resulting comprehensive closed loop system delivers full time automated control of the dryer.

Moisture content of approximately 20% of the dryer's output is sampled continuously and the necessary adjustments to the dryer are made immediately, eliminating the need for manual sampling and the associated time gaps between sampling, testing, and making dryer adjustments. This fully automated method significantly increases the frequency of sampling and moves more of the product closer to the target.

### Consistent, reliable dryer management

DryingPro Moisture Control improves energy efficiency by making the correct dryer control decisions quickly and reliably. Moisture content targets can be input by operator or by recipe

control, and the dryer will automatically establish and maintain the optimal drying environment for the remaining production run. This eliminates the wasted energy and product that can result from manually attempting to reach a moisture target.

### Real time, online monitoring

With DryingPro Moisture Control it's possible to view production data in real time via computer, phone, tablet or other web-connected device. Custom dashboards can be built to provide the most critical data in a quick and meaningful way. Data storage is cloud-based making viewing and reporting fast and easy.

#### ROI example:

Based on 1% productivity increase  
 Production rate: 20,000 pounds/hr  
 Production time: 6,000 hours/yr  
 Product Value: \$500/ton  
 Yield increase: 1%

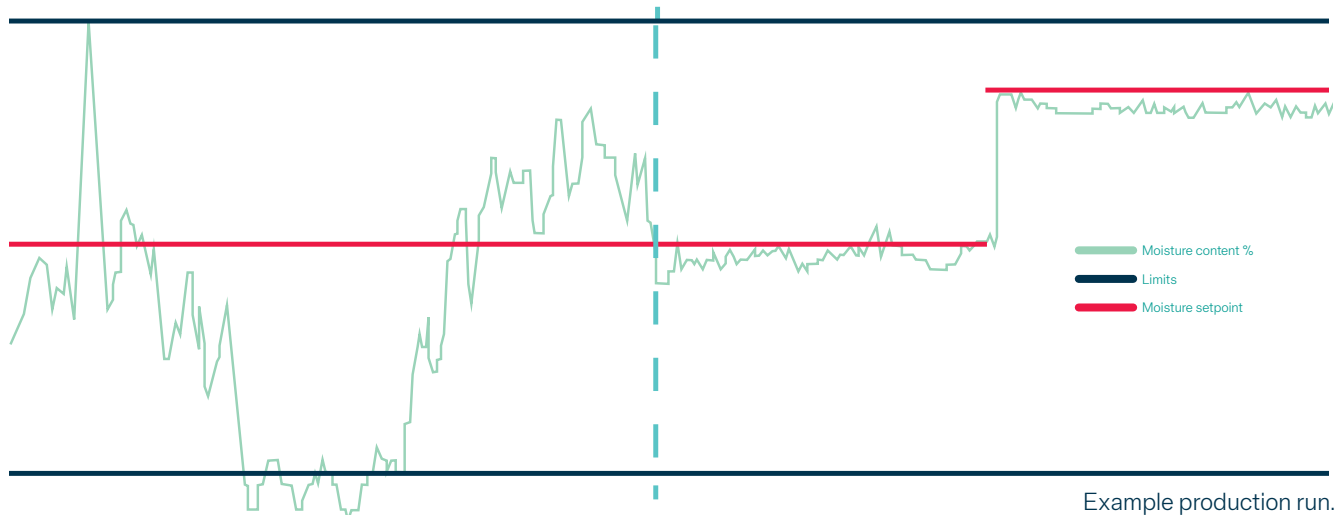
ROI yield increase: **\$300,000/yr**  
 Energy savings: **\$20,000/yr**

# DryingPro Moisture Control

## Increased yield

Before DryingPro Moisture Control

After DryingPro Moisture Control



Example production run.

Item	Specification
<b>Minimum requirements</b>	<ul style="list-style-type: none"> <li>- AeroCos Dryer Control Software</li> <li>- Bühler Aeroglide start-up services</li> <li>- 2 (3 day visits) start-up and calibration</li> </ul>
<b>Moisture sensor technology</b>	Microwave
<b>Temperature sensor technology</b>	RTD
<b>Sampling chute dimensions</b>	411mm (w) x 430mm (d) x 640 mm (h)
<b>Product diameter size range</b>	2mm - 16mm
<b>Maximum capacity at chute</b>	20,000 tonnes/hr
<b>Sampling chute materials (product contact)</b>	304 stainless steel
<b>Fines generated due to additional product handling</b>	<0,05%

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