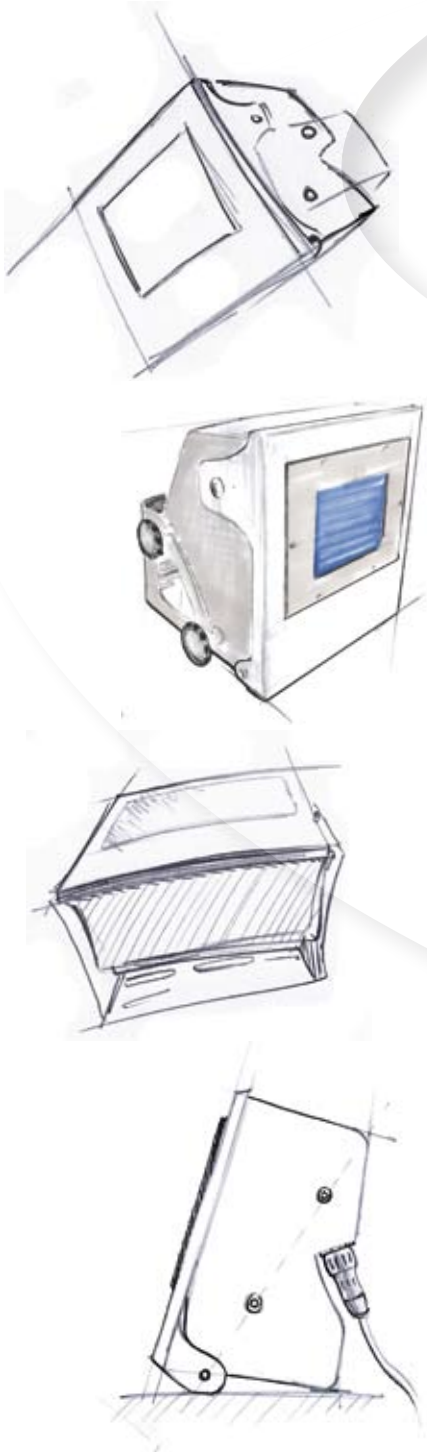


Animal feed special report:

Continuous Moisture Control for Increased Profit

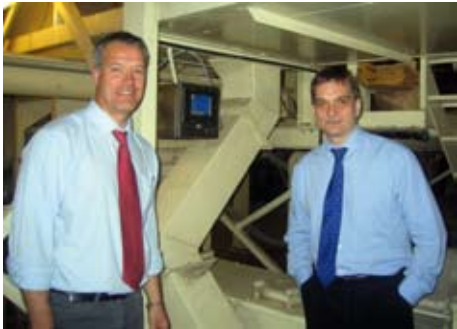


- Reduction of moisture fluctuations ▶
- Increased profit ▶
- Stable quality ▶
- Reliable moisture control ▶



Robust and reliable, the Intelscan microwave sensor measures twice through the material with a patented double transmission reflector technology.

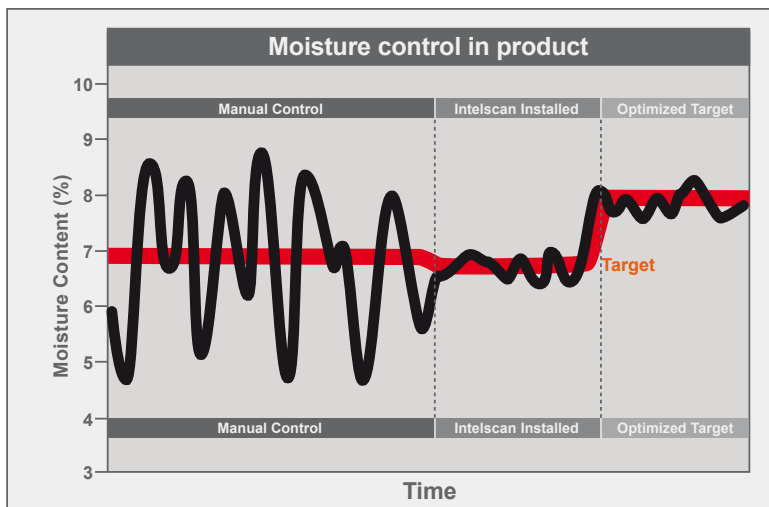
Secure with Intelscan Moisture Control



“ We now have an instant and continuous display of the quality of the finished product and the Intelscan unit is now an integral part of our quality system.”

*Mr. Ged Hall, Operation Manager, l'Ansons Bros Ltd., UK.
Mr. Chris l'Anson, Chairman, l'Ansons Bros Ltd., UK.*

Reduction of Moisture Fluctuations



Products above target moisture (too wet)

- ▶ A high risk of mould
- ▶ Shorter storage
- ▶ Claims and customer dissatisfaction
- ▶ Added labor cost due to storage problems etc.

Products below target moisture (too dry)

- ▶ Wasted dry substance
- ▶ Bad pellet quality and increased dust/fines
- ▶ Increased energy consumption
- ▶ Increased die wear

AquaSmart Moisture Control



- ▶ Software integrated into factory control
- ▶ Automatically calculates water addition
- ▶ Controls dosing of exact amount of water into the feed mix

On-line moisture control with automatic dosing.

The Intelscan AquaSmart water dosing software automatically calculates the required amount of water to be added to the mix, if needed, to maintain the required moisture level.

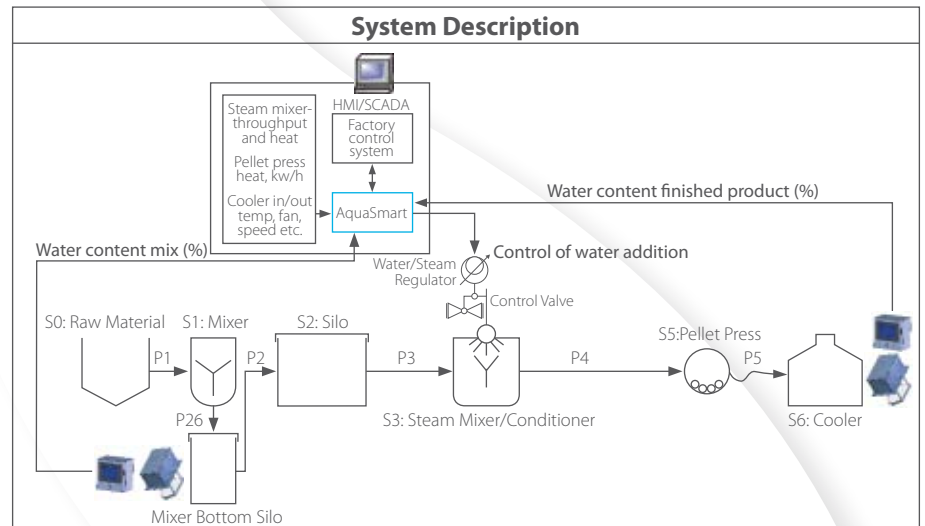
Case study: FB Feed mill controls moisture level for consistent quality



FB Feed mill is located in Reykjavik, Iceland. 65 different types of feed are produced at a capacity of 12 tons per hour.

Project Scope:

- ▶ To measure moisture content from start to finish, after mixing and after pelletizing
- ▶ To use the measurement to control automatic water dosing in the steam mixer, if needed
- ▶ To stay consistently on the target moisture content



System Description:

- ▶ Each product batch is measured for moisture as it exits the mixer
- ▶ AquaSmart software adds the exact water content needed
- ▶ The water content of the finished product is measured again in the cooling process
- ▶ Target moisture level is secured

Result: Profit increase = €122.000/year

	Average moisture % Before installation	Average moisture % After installation	Increase in %	1 month production (tons)	Net profit increase per year EUR*
Feed type #1	11.43	11.85	0.42	94.8	13.746
Feed type #2	11.62	12.20	0.58	144.6	20.967
Feed type #3	11.58	12.15	0.57	179.4	26.013
Feed type #4	11.54	12.05	0.51	95.1	13.790
Feed type #5	11.13	12.19	1.05	41.0	5.945
Feed type #6	10.97	11.87	0.90	291.3	42.239
Average	11.38	12.05	0.67	846.2	122.699

*Based on average feed price of €145/ton.

Customers Response



I'Ansons
Quality Feeds

“After searching for 20 years for reliable means of measuring moisture, temperature and density of products, Intelscan have come up with the solution for feed manufacturers. Combined with our DSL control we now have an instant and continuous display of the quality of the finished product and the Intelscan unit is now an integral part of our quality system.”

- Mr. Chris I'Anson, Chairman, I'Ansons Bros Ltd., UK.



“Regarding maintenance, we have never had to touch the Intelscan system since the day it was installed.”

- Mr. Richard Clapp, Engineering Supervisor, BOCM Pauls, UK.



FÓÐURBLANDAN
- gæði í hverri gjöf

“Intelscan allows us to produce to a consistent target moisture level which improves quality and our profit margins. The system from Intelscan has paid itself up many times.”

- Mr. Jon Kristinsson, Production Manager, FB Feed mill, Iceland.



Felleskjøpet Rogaland Agder

“We saved in the cost of the Intelscan instrument in under 2 weeks. We are very happy with the performance of Intelscan.”

- Mr. Stig Fagerli, Process Engineer, FKRA, Stavanger, Norway.