



Intelligent Drier Control

Drying grain precisely is a complex process, but doing it correctly achieves the best possible grain quality for the best price. Relying on manual drying can risk either not attaining the desired moisture content, or over-drying the grain which is a costly exercise. Overstepping the mark by drying to 13% instead of 14% can typically add up to 20% to your energy bill, whilst simultaneously reducing your driers capacity by up to 16%.

Let the Tornum Intelligent Drier Control (IDC) do all the hard work!

IDC is a software based control system which can be used in continuous flow driers to monitor and control the out-going moisture content.

One sensor is placed in the upper drying section of the drier and measures the incoming moisture content. The second sensor is placed in the cooling zone close to the drier outlet, and measures the outgoing moisture levels. By using and monitoring this information, the control unit sets the speed of the drier discharge in order to obtain the required average moisture content of the grain, irrespective of outside weather conditions.

By taking the guess work out of the drying process the risk of over-drying is kept to a minimum and consistent moisture levels are more easily achieved.

As fewer man hours are needed to monitor the drying process, labour costs are also reduced.

The IDC kit is available in 4 different sizes with 2 or 4 moisture sensors depending on the drier size. Temperature sensors can also be provided if more detailed information is required about the drying process.

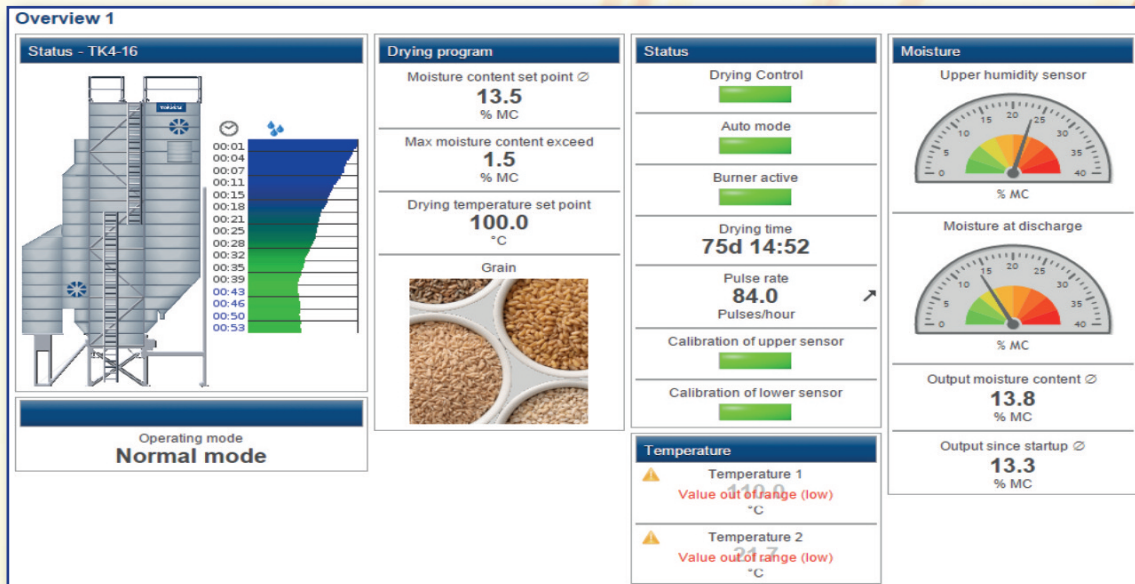
Example of the cost of over drying

Drying 1,000t of wheat from 20% to 14% moisture



Based on wheat price at £140/t and energy costs at 0.155 £/kwh

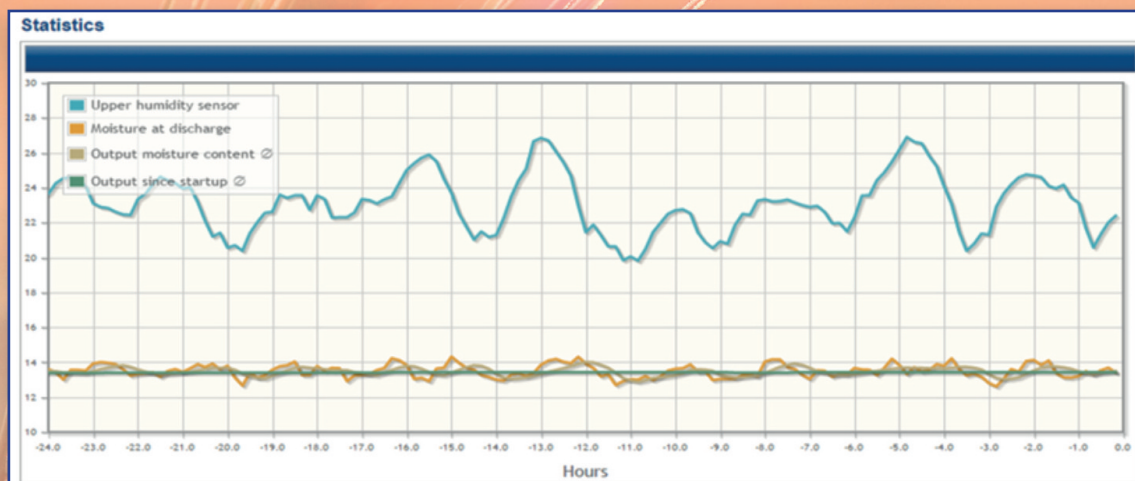
As demonstrated below the user-friendly IDC interface shows all the information needed:



IDC Advantages

- Reduced drying costs
- Increased drying capacity
- Total control over the drying process
- Change grain type and drying activity at the touch of a button
- Optimised drying process
- Intelligent software adapts to different conditions
- Easy to install
- An instantly profitable investment

This graph of incoming and out-going moisture content is just one of the ways the statistics collated by the IDC can be presented in an easy to read format:



If you are intersted in IDC or have any other queries on grain driers then please get in touch:

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