

# Intelligent Dryer Control

CUTTING COSTS AND IMPROVING QUALITY



**SOLUTIONS FOR  
THE WORLD'S  
MOST IMPORTANT  
BUSINESS**



**Mimimizes  
overdrying**

**Maximizes grain  
economy**

**Total process control**



**TORNUM<sup>®</sup>**

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# Intelligent Dryer Control

## – THE EASY WAY TO AVOID COSTLY OVERDRYING

**DRYING GRAIN PRECISELY** is a complex process that is absolutely necessary to achieve the best possible quality – at the best possible price. Relying on manual methods means risking not reaching the desired moisture content levels – and if you succeed, there is an obvious risk of overdrying. Aside from reducing the saleable weight of your product, overdrying is also very costly. Overstep-

ping the mark by drying to 13 percent instead of 14 can typically add up to 20 percent to your energy bill, while simultaneously reducing your dryer's capacity by up to 16 percent. But there is an easy solution to all such worries – let Tornum's Intelligent Dryer Control do all the hard work!



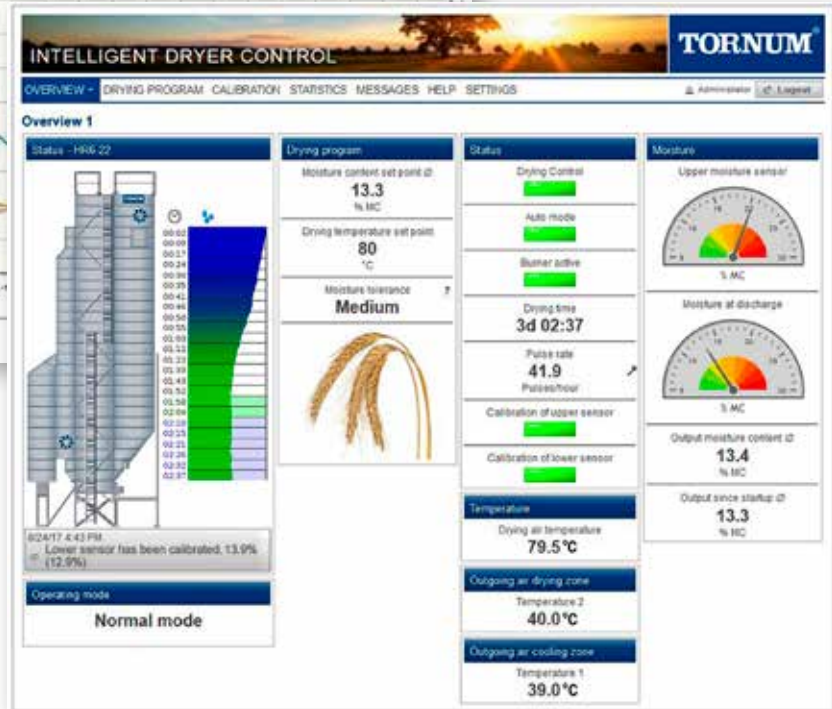
### IDC – INTELLIGENT DRYER CONTROL

- REDUCED DRYING COSTS
- INCREASED DRYER CAPACITY
- TOTAL CONTROL OVER THE DRYING PROCESS
- CHANGE GRAIN TYPE AND DRYING RECIPE AT THE TOUCH OF A BUTTON
- OPTIMIZED DRYING PROCESS
- INTELLIGENT SOFTWARE ADAPTS TO CONDITIONS
- EASY TO INSTALL, EASY TO USE
- AN INSTANTLY PROFITABLE INVESTMENT



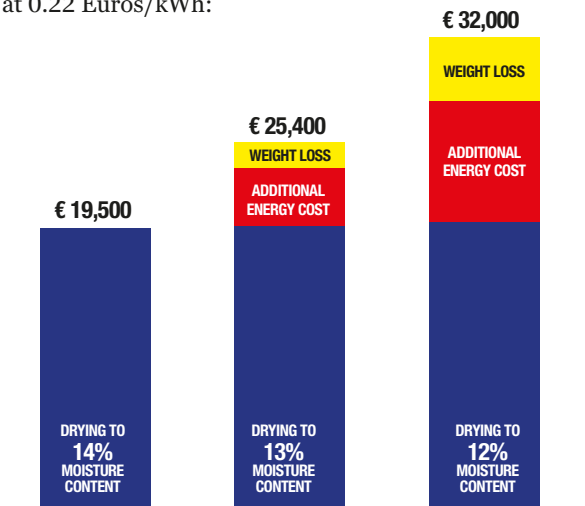
Take full control over the drying process by studying it in detail with the advanced statistics functions of Tornum IDC – like this graph showing incoming and outgoing moisture content during the last 24 hours.

The user-friendly IDC interface serves up all the information you need – moisture content, drying time, etc.



## THE COST OF OVERDRYING

The graph below shows the cost of drying 1000 tonnes of wheat from 20 to 14 percent moisture, based on wheat at 0.20 Euros/kg and energy at 0.22 Euros/kWh:



## TOTAL CONTROL WITH IDC – WHEREVER YOU ARE

Tornum IDC is a software-based control system monitoring and controlling the outgoing moisture content in continuous dryers, consisting of moisture sensors,

temperature sensors and a control unit. By connecting the control unit to the internet, you can access all dryer data and have full control over the entire drying process on your PC or tablet, wherever you are.

## PRECISE DRYING TO DESIRED MOISTURE CONTENT

One sensor is positioned in one of the upper drying sections, measuring the incoming moisture. The second sensor is placed in the cooling zone, close to the dryer outlet. Using information about incoming and outgoing moisture content, the control unit sets the speed of the dryer discharge to obtain the desired average moisture content out of the dryer – regardless of ambient conditions.

## MINIMIZES DRYING COST

Even more importantly – with Tornum IDC you take the guesswork out of the drying process and minimize the risk of overdrying your grain just to be on the safe side – an expensive practice that can now be effectively eliminated. Fewer manhours needed to monitor the drying process lower the costs even further.

## Kits for different needs

The Tornum IDC system is available in four different standard kits to suit any drying needs, with 2 or 4 moisture sensors and 2 or 4 temperature sensors.

OPTIONS: DISCHARGE COUNTER | LOGBOOK | AUTOMATIC LOGBOOK | AUTOMATIC STATISTICS MAILING

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[WWW.TORNUM.COM](http://WWW.TORNUM.COM)

TORNUM AB | SKARAGATAN 13 | SE-535 30 KVÄNUM, SWEDEN | +46 512 291 00 | [INFO@TORNUM.COM](mailto:INFO@TORNUM.COM)

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