



## Smart Moisture Control

The system continuously and automatically measures the entire product flow in real time and dries down to the target % from the start of the drying process.



The Alvan Blanch Smart Moisture Control continuously and automatically monitors all incoming and outgoing grain for moisture levels and adjusts drier settings to maintain target moisture  $\pm 0.5\%$ , set by the operator on the panel.

The system features a touch-screen PLC display with real-time graphics of drying performance and settings, for intuitive operation and record keeping. The process control is initiated by switching to "auto" which can be set at the start of the drying process.

- Optimal running cost - Only pay for energy to reach target %
- No need to experiment before switching to auto
- No need to attend the drier to check the moisture % out
- Can be fitted to new or retro fitted to existing driers



*Perthshire farmer Matt Lyle says – "Alvan Blanch are market leaders in crop drying...Before the new system, some crop was being over dried in order to ensure we were below 14% moisture. Using the new automated system, all of the wheat was dried to 14% with very little variance."*

*East Lothian farmer Hugh Broad claims - "The principle of the drier is very strong. ....it improves energy efficiency, it ensures continuity of grain drying at the correct moisture, and there are a lot of positives about it. Savings in fuel and electricity enable the capital investment to be quickly made back"*



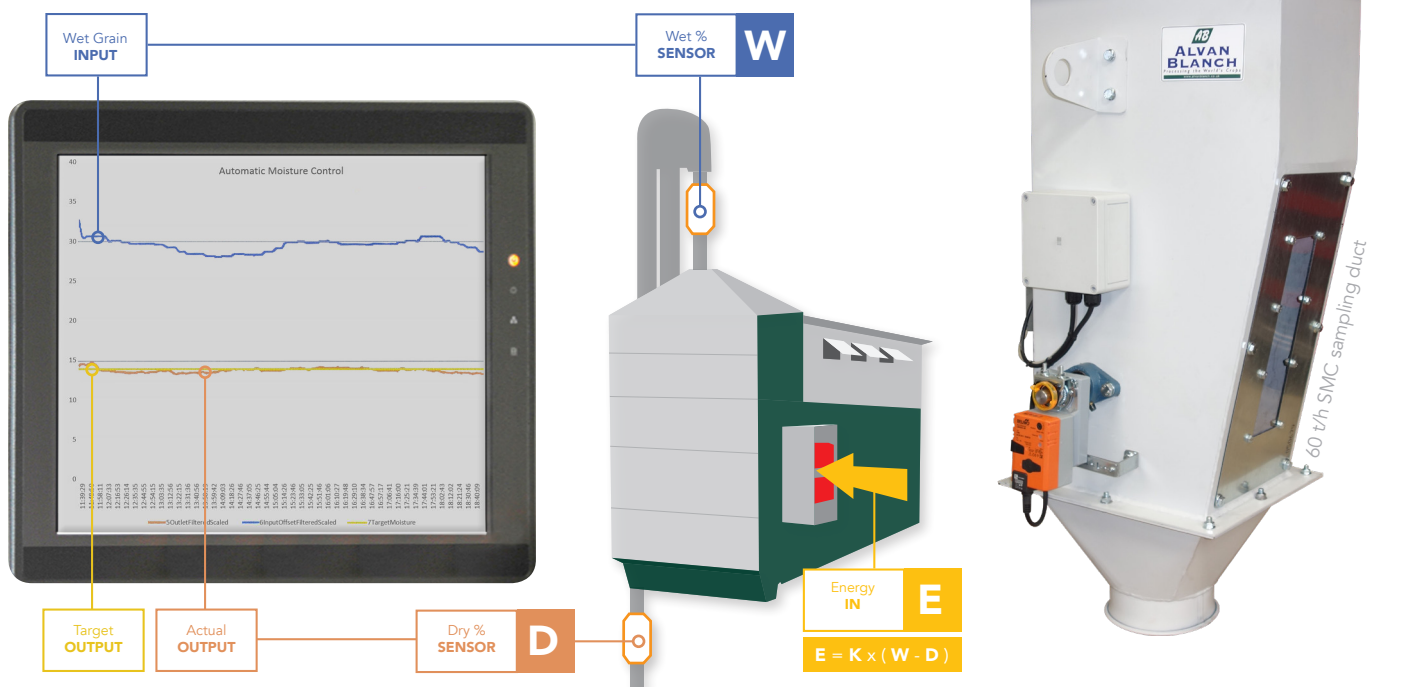
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## The system includes:

- **Two weatherproof sampling ducts in painted finish, each capable of handling 60 T/hr. Each has:**
  - A moisture sensor
  - Internal sub-duct to maintain appropriate grain flow over sensor regardless of drier settings or crop type
  - Integrated overflow section for minimal blockages
  - Analogue / Digital decoder to communicate with panel via Ethernet cable (not supplied)
  - Viewing windows
  - Air connection to blast nozzle for periodic cleaning on some crops
  - Manual Sampling Point
  - Lifting lugs and bracket mounting points (support brackets excluded)
  - Can be connected to any popular square or round ducting
- **PLC control module with:**
  - Integrated into drier PLC system
  - AMC on dedicated page on drier PLC screen
  - Independent control cabinet for non PLC driers
- **Hand held moisture meter for calibration and periodic manual checks of moisture contents**
- **Manuals for installation and operation**
- **Product support via telephone, remote access and through dealer network**

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