

## Weighing up traceable consistency for whiskey

A throughput weighing system from Avery Weigh-Tronix has helped improve production efficiency and quality for Glen Moray's whiskey distillery. It measures batches of malted barley to an accuracy of 99 percent and provides traceable data to monitor production and to meet the requirements of Customs and Excise.

In common with all scotch whiskeys only three ingredients are used; malted barley, water and yeast. The most expensive and important ingredient in the process is the malted barley.

In addition, the Glen Moray distillery has to provide accurate and traceable records of the malted barley.

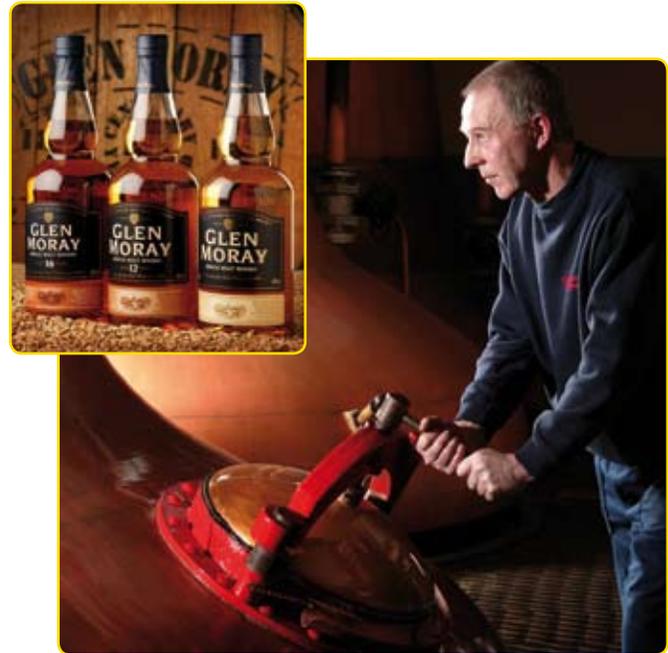
Says Graham Coull, distillery manager: "The price of barley is very expensive so we must extract the maximum amount of sugar from it for fermentation. We need an accurate and reliable weighing system to ensure monitoring efficiency. Malted barley can vary in character from batch to batch. It is essential that we have accurate information for each batch.

"The Avery Weigh-Tronix system also means that we don't need to rely on manual records and paperwork. It is faster and easier for the operative to use with no chance of error. It helps us to become more efficient and concentrate on other areas to improve our whiskey."

The system uses a P911 throughput weigher. This uses high-resolution technology to provide accurate bulk weighing of free flowing solids. An Avery Weigh-Tronix programmable indicator controls the system. This collects and records data and can interface with a PC and other software applications.

### Benefits:

- Accuracy to more than 99 percent
- Better control of costly ingredients
- Readily accessible records to meet traceability legislation
- Easy to use, eliminates errors



### TECHNICAL

#### P911

- Uses high resolution technology for accurate bulk weighing
- Includes data logging of totals
- Custom applications offers up to 1000 tonnes per hour
- ATEX version available for Zone 21 and 22 rated areas

#### Avery Weigh-Tronix Controller

- Programmable indicator designed to control any weight-based process
- Monitoring and data acquisition via a web browser (HTTP)
- Operational updates and error reporting via email (SMTP)
- High intensity back lit display with wide choice of display modes