

# New technology provides solution to producing the optimal physical mix everyday

Keenan are pleased to announce the launch of the world's most advanced mixer wagon which produces the optimal physical mix time after time, day after day. The new iKeenan mixer wagon is the world's first truly intelligent mixer wagon which ensures that animals are receiving the optimal physical mix (Mech-fiber®) every time.

## The Physical mix matters!

For ruminant animals, inconsistent and under or over mixing can impact negatively on milk yields and herd health. Under mixed and there will be sorting at the feed fence and a poor mix of long and short feed particles in the rumen. This will result in poor utilisation of the more nutritionally valuable components of the ration. Over mixing of the ration results in small particles and fibres which can cause acidosis. In both situations the rumen is not performing at its optimum and as a result milk yields will fall, feed will not be digested as well and cow health is at risk.

The introduction of Keenan's PACE technology in 2008, with its ability to create accurate, consistent rations, was a major step forward. It provided the means to maximise feed efficiency in a controlled and measured format.

Now the company has gone a step further to give livestock farmers an unprecedented degree of control over a ration's formulation, its ingredients and its mixing.

## Unprecedented control!

Welcome to iKeenan a mixer wagon that incorporates the most innovative technology yet to create the world's first intelligent mixer wagon that produces accurately mixed rations time after time, day after day, year after year. The iKeenan intelligently removes the risk of ration variability through our innovative new AutoStop and PACE CONNECT features.

- AutoStop is a unique system which shuts down the tractor's PTO drive to the mixer wagon when the required number of paddle revolutions has been completed and the optimal Mech-fiber® mix has been created.

- PACE CONNECT is a new 'Cloud' web-based system which allows rations to be modified remotely – from the nutritionist's office directly to the mixer wagon's control box, for example.

## Automatic PTO Shut Off!

But there is more. The introduction of AutoStop, an

automatic PTO shut off system which stops the machine mixing when the optimum Mech-fiber® mix has been created. Operators no longer have to wait while the paddles clock up the requisite number of rotations.

AutoStop is available for fitting to tractors which have PTO push button controls located on the rear fender - now a feature of most modern tractors. Simple and reliable in its operation, a command from the PACE control box can automatically shut off the tractor's PTO when the optimum mix is ready.

For the operator, AutoStop takes over the responsibility for stopping the mixing process when the correct number of paddle revolutions has been made. For many this will be a welcome move; it is just so easy to become distracted and miss the moment when the mixing process is completed.

AutoStop eliminates unnecessary paddle revolutions made each day which can lead to significant fuel savings, potentially €1,200/year was recorded from one research study. In addition AutoStop reduces the time that the machine has to work at it's hardest, when it is full, which will extend the working life of the wagon.

Overall, AutoStop gives the farmer and operator back precious time and peace of mind every day while delivering the perfect mix and saving money.

## The CONNECTED mixer wagon

PACE provides users with guidance on the order of loading and mixing, and the number of paddle revolutions required to get the optimal mix. PACE draws on Keenan's ingredients' data base which separates feed types into eight different categories and then subdivides each category into as many as 37 different groups. This information is then combined with the size of mixer wagon and the livestock class being fed to provide the correct loading sequence and the paddle revolutions needed. The data base currently holds details on over 10 million categorised ingredients drawn from over 1700 farms in a wide range of countries.

PACE CONNECT utilises the mobile phone network to connect the iKeenan wagon to a secure website that can be accessed by authorised users from anywhere in the world on any web enabled device.

PACE CONNECT allows the farmer or his nutritionist to make ration changes remotely,



to review the rations that have been fed and compare that data to critical outputs such as milk yield. This information can form the basis for ration modification.

The value of the new system becomes apparent when you include the ability of PACE CONNECT to compare what has been fed with what should have been fed, the recording of real-time paddle revolutions, the recording of wagon overloading and receiving notification of servicing requirements., as well as the standard functions of guiding the loading and mixing process.

## iKeenan January Roadshow

See the iKeenan in action on the following farms;

### Waterford:

Thomas Horgan, Garryduff, Colligan, Garryduff, Dungarvan, Waterford  
- Jan 20th

### Northern Ireland:

William Purcell, 171 Ballyquin Road, Limavady BT49 9HA  
- Jan 20th

### Wexford:

Michael Murphy, Haggard, Ramsgrange New Ross, Wexford  
- Jan 24th

### Cork:

Larry Buckley, Ballymountain, Upton, Cork  
- Jan 25th

### Kerry:

Kieran Savage Tylough, Kilduff, Tralee, Kerry  
- Jan 26th

### Kilkenny:

John Bennett, Ballasalla, Johnswell, Kilkenny  
- 1st Feb

Please note that all farmers are welcome. For more information on these events please visit [www.keenansystem.com](http://www.keenansystem.com) or call 059 9771200.