

For Earth, For Life  
Kubota

TIM

KUBOTA  
TRACTOR IMPLEMENT  
MANAGEMENT



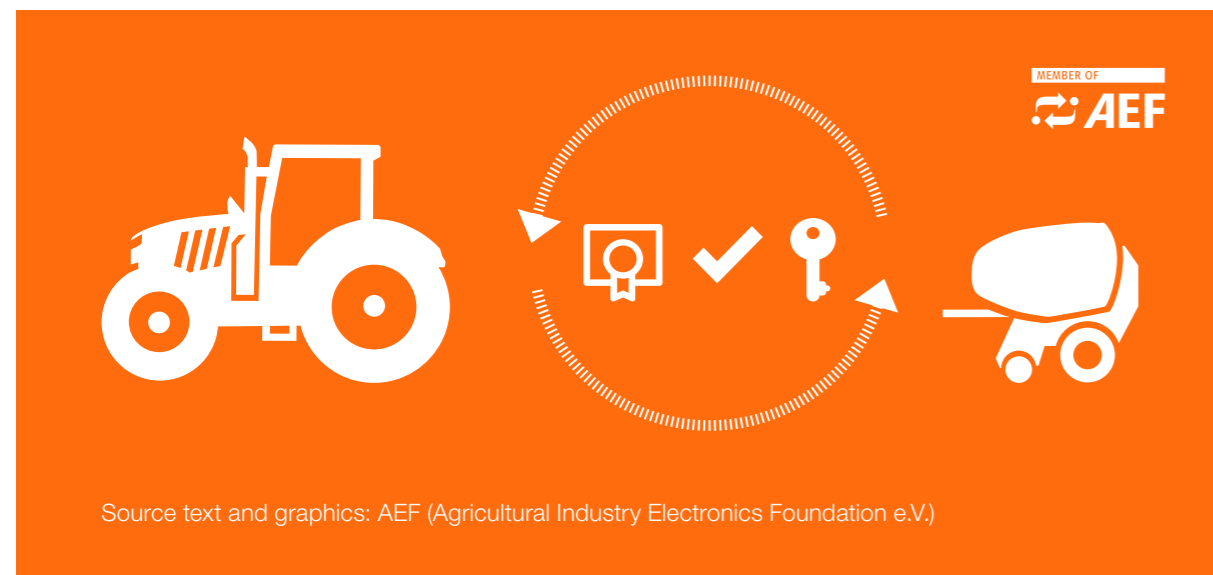
## #Highlights

# TIM – The implement controls the tractor

**TIM (Tractor Implement Management) is a cross-product and cross-manufacturer ISOBUS solution for the agricultural machinery industry, whereby the implement is able to control certain tractor functions. The key to this new technology is using the advantages of the overall system.**

While other solutions only allow the tractor to control the implement, TIM implements talk in terms of “bidirectional communication”, i.e. an exchange in which data is transmitted in both directions. This means that with TIM, an

implement can automatically control certain functions of the tractor, such as forward speed or control valves. The implement itself optimises its own operation and sends control commands to the tractor.



### The benefits

- TIM optimises the output and efficiency of the overall “tractor and implement” system.
- TIM increases operator comfort: automatic sequences replace manual operation and prevent excessive strain on the operator.
- The implement “knows” the process to be carried out (e.g. straw baling) and its operation process: sensors control the process while the tractor provides the combination.

### Background

When connecting implements to the tractor, farmers expect ISOBUS-tested devices to work according to the “Plug & Play” principle. This means that once the ISOBUS connection is established, data exchange is always possible, not only for devices from the same manufacturer but also for equipment from different manufacturers.

This is especially true for machines that are equipped with TIM. They are tested according to the AEF standard and also have to comply with the specified legal safety regulations.



# Kubota makes the future possible today



**Kubota is the first manufacturer ever to receive the renowned AEF certification for a combination of the M7003 Premium KVT tractor and the BV Series TIM round baler. Now you can enjoy the many benefits of controlling this premium tractor using Kubota’s TIM technology.**

Kubota Farm Solutions, the integrated system for Kubota products and services, has one clear goal: to make uncomplicated and useful contributions to improving the future performance of farms. An important building block in this regard is TIM (Tractor Implement Management), which enables new possibilities for control and optimisation – two fundamental Kubota Farm Solutions concepts.

### First AEF certification for tractor-baler combination

Kubota is the first manufacturer ever to receive the renowned AEF certification for the M7003 Premium KVT tractor and the BV Series TIM round baler combination. Now you can take advantage of the many benefits of controlling the tractor using the TIM attachment. Imple-

ments that control the tractor, unleash the potential of the machines and reduce the operator’s workload.

### Commitment to further development

Kubota is constantly working to develop solutions for tractor-implement combinations that help farmers to be even more efficient and productive. This includes the TIM system (Tractor Implement Management), which is a special area of focus for Kubota. This is why Kubota will continue to work on offering further TIM solutions in the future.





# TIM empowers the tractor to offer extra added value

The Kubota M7003 sets standards for professional tractors and guarantees absolute top performance thanks to its first-class technology and comfort. The Premium KVT models of the M7003 series now offer significant added value through TIM conformity test certification.

TIM is now available as an option on all M7003 Premium KVT tractors. This allows farmers and contractors to take advantage of the great benefits offered by this innovative technology. The system is easy to understand and can also be operated by less experienced drivers, allowing faster, smoother work and the ability to concentrate on the essentials.

To use TIM, you need to unlock the system with a licence. This can be purchased from your Kubota dealer.

### Suitable for all AEF-certified TIM implements

Here's something that might interest you: The M7003 Premium KVT can be controlled not only by Kubota's TIM round baler, but by all AEF-certified TIM implements. This gives the implements access to tractor functions such as PTO, hydraulics and ground speed.

### More comfort, greater efficiency, less fatigue

TIM can automatically perform repetitive manual actions, such as opening the tailgate of the baler or turning off the PTO. With TIM, the implement automatically gives the command to the tractor, freeing the operator from the need to do so. This reduces your workload and provides more operator comfort. At the same time, because you have fewer repetitive tasks to perform, you will be less tired on long working days.



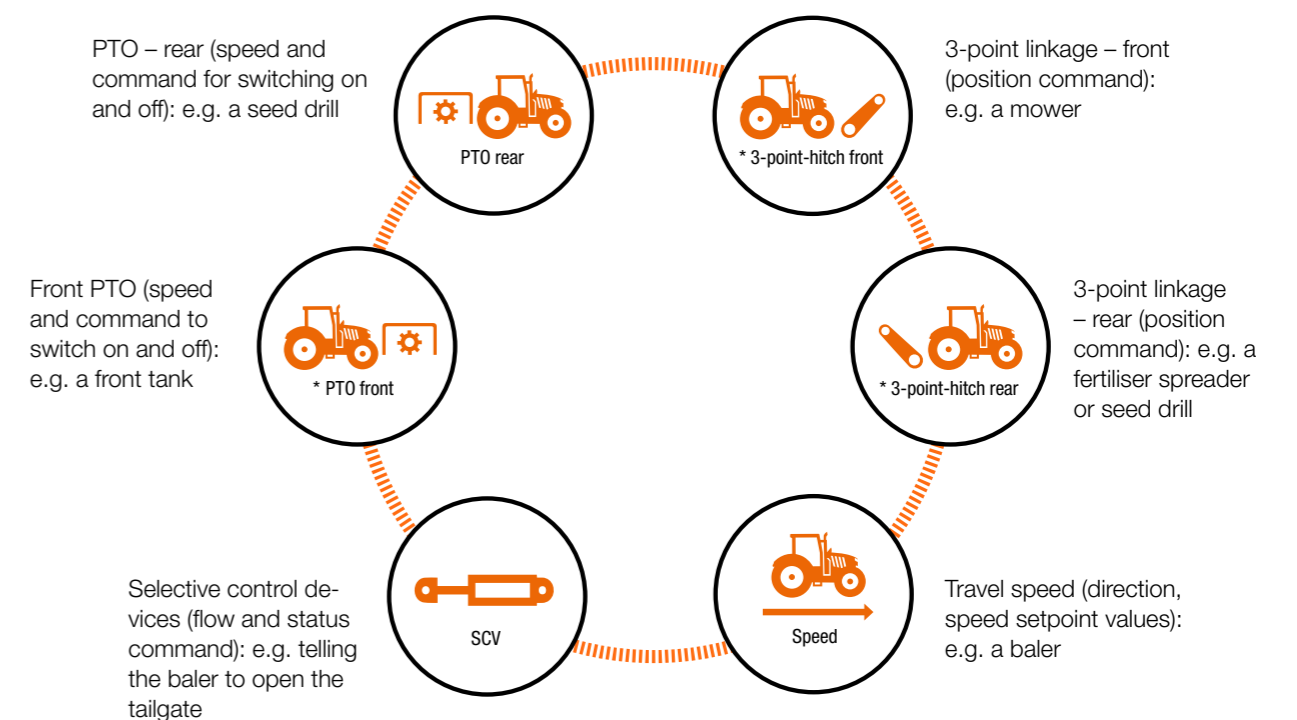
TIM screen on the K-Monitor

### Improved efficiency

TIM also increases efficiency because the system automatically detects the best times for necessary operations, such as when the bale chamber is full or when the tailgate needs to be opened or closed. What's more, manual delays or errors are significantly reduced.

## Kubota TIM M7003 KVT

### Functions that can be controlled by the implement



\* these additional TIM functions will be available in the near future



# Baling has never been easier and more comfortable

**Baling is one of the jobs that requires the greatest number of actions from the operator. The BV Series TIM round baler from Kubota handles most of these tasks itself. As a result, it not only provides a significant gain in comfort and efficiency, but also ensures consistent high quality bales.**

Whether it's silage, hay or straw – the BV Series round baler guarantees highly compacted, perfectly formed round bales. The TIM hardware is available as an optional accessory for the Kubota round baler as part of the Techno Pack. Again, you will need to unlock TIM with a licence, which you can buy from your Kubota dealer. The BV Series TIM round baler can be used with all AEF-certified TIM tractors, not just Kubota tractors.

**Enormous savings in work steps**

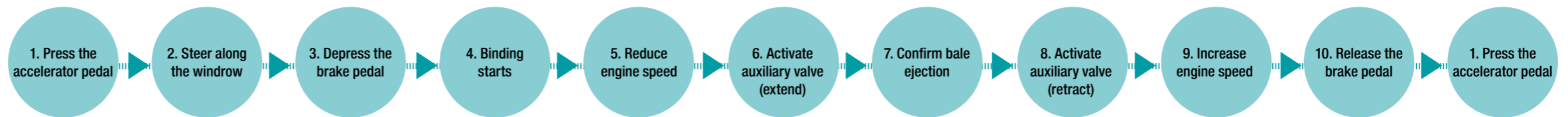
If the operator is inexperienced or tired, bale quality suffers. With the help of TIM technology, the baler can perform a number of actions for the driver, meaning a significant increase in comfort. For every 100 bales, TIM can save up to 800 operations. This is because the baler opens the tailgate as soon as the bale is tied, this also increases efficiency, especially when the operator is tired.



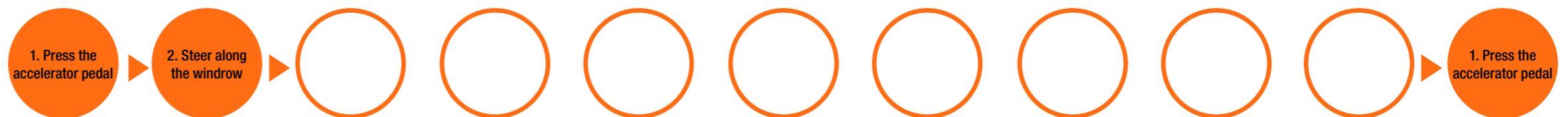
**Key advantages in baling**

The TIM system really comes into its own in baling operations where the working windows are often narrow due to weather conditions. The work is completed quicker and with higher bale quality. Contractors and large farms in particular benefit from the user-friendliness of the TIM technology, which can be quickly mastered by different operators. The cost aspect is another factor to bear in mind. After all, the highly efficient use of the TIM baler results in lower costs for parts that wear out, fuel, tyres and so on.

**Fewer actions during baling**



Process sequence for standard operation: 10 steps per bale



TIM 1.3 process sequence with driving speed set by the TIM server: **2 steps per bale**

## **Kubota (U.K.) Limited**

Dormer Road Thame, Oxfordshire, OX9 3UN

<http://www.kubota.co.uk>

Every effort has been made to ensure that the contents of this publication were accurate and up-to-date at the time of going to press. All rights reserved. No part of this publication may be reproduced in any form by any means, without prior permission of Kubota. Kubota reserve the right as a manufacturer to amend and update any specification or performance information without notice, if required.

v\_1/2020



**Kubota**