

Griffith Elder

Backed by 40+ years of design and manufacturing, supplying to OEMs and clients, exporting to **50+ countries.**



Mass-Tel™ Systems

ISOBUS Plug-and-Weigh

Provides Original Equipment Manufacturers (OEMs) a complete, modular weighing system that installs fast, runs reliably, and services simply.

- Complete scale system built into each digital load cell
- Designed for OEM integration: ISOBUS & J1939 CANBUS
- Rugged, pre-calibrated precision with low maintenance over life
- No interface 'bridge' electronics needed
- Load cells provide the Universal Terminal interface directly
- Plug-and-Weigh, connect load cells inline, start weighing
- Setup, operate & diagnose concurrently via: Universal Terminal, Mass-Tel App and 3rd Party integration
- Live scale & individual load cell data and diagnostics
- Optional Mass-Tel Utility. Add functionality Bluetooth for Mass-Tel App connectivity plus serial, I/O, pwm and remote display etc

Mass-Tel™ Load Cells

At the heart of the ISOBUS weighing system are the Mass-Tel™ Load Cells, each with their own embedded CANbus ECU.

Systems can be built quickly and easily with up to 8 load cells of any type and even with a mixture of load cell capacity or individual calibration factors.

Mass-Tel™ Utility

Mass-Tel™ Utilities (MTU) are available, plugging inline with the load cells to provide additional connectivity and hardware options like Bluetooth, serial, I/O & remote large display.

Mass-Tel™ App

The Griffith Elder Mass-Tel™ App connects via Bluetooth, replicating the Universal Terminal functionality and extending extra features.

ISOBUS & CANBUS J1939

Mass-Tel™ Systems are ISOBUS and J1939 compatible, making them ideal for agricultural, automotive and off-road machinery applications.

Integration

Operation, setup and diagnostics are managed through a standard ISOBUS Universal Terminal with the load cells delivering the user interface directly to the Universal Terminal.

Third-party system integration is straight forward via ISOBUS, J1939 and Griffith Elder's proprietary protocol, allowing seamless incorporation into existing control systems.

Mass-Tel™ App

Operation, Setup & Diagnostics via App over Bluetooth. Mirrors Universal Terminal plus additional functionality.



UT & Cloud, in your hand

- Provides operation in and out of cab
- Export job records with full traceability
- Cloud Data Transfer
- Minimal training; intuitive mobile workflow

Universal Terminal

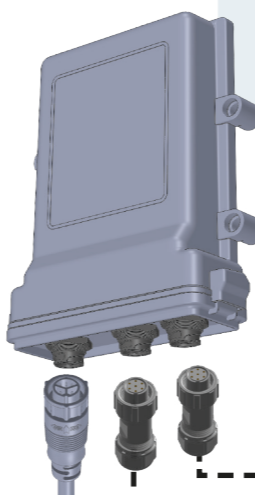
- Operation, Setup & Diagnostics via Universal Terminal
- Load cells host Virtual Terminal & Task Controller clients. Universal Terminal is the interface
- Mass-Tel Load Cells serve the Object Pool UI directly



Mass-Tel™ Utility

- Utilities plug and play on ISOBUS & J1939
- ISOBUS Implements
- Digital Inputs & Outputs
- PWM controller
- RS232, RS485, USB & UART
- Bluetooth for Mass-Tel App
- Plugs onto the 'BUS'

Add Utility when you need it



ISOBUS & J1939

ISOBUS & J1939

Mass-Tel™ Connections

- Plug-and-Weigh, simply plug the required load cells in-line
- No intermediate electronics required
- Add Mass-Tel Utility if required
- Rugged for harsh environments
- Faster installs; cleaner harnesses
- Swap out any item easily in the field

Connect and build your Mass-Tel System

Integration 3rd Party

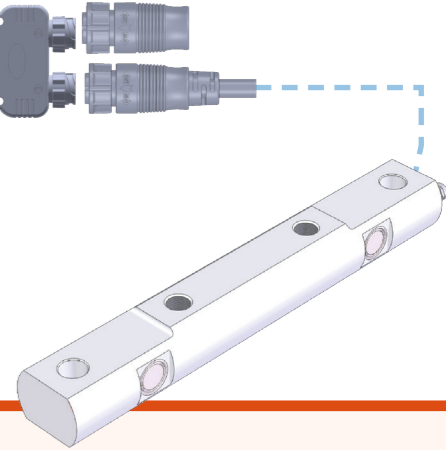
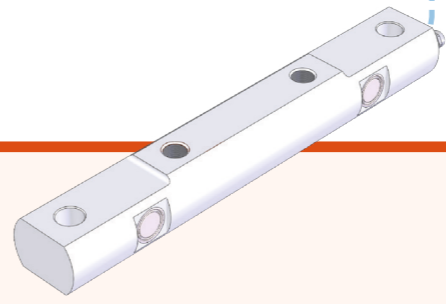
- Seamless integration with ISOBUS
- J1939 support for industrial ECUs/HMIs
- Complete Scale and load cell integration via Griffith Elder protocol
- Coexists with existing control stacks
- Drop-in weighing system for any stack

Operate your way:

- ISOBUS Terminal
- Mass-Tel App
- ISO Terminal & Mass-Tel App

Mass-Tel™ Load Cells

- Complete ISOBUS digital load cell system
- Plug-and-Weigh: connect inline, start weighing
- ISOBUS / J1939 compatible Load Cells—no junction boxes
- Universal Terminal & Task Controller Client embedded load cells



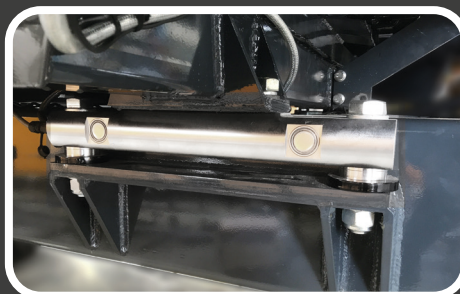
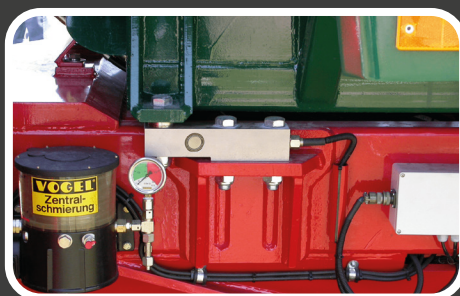
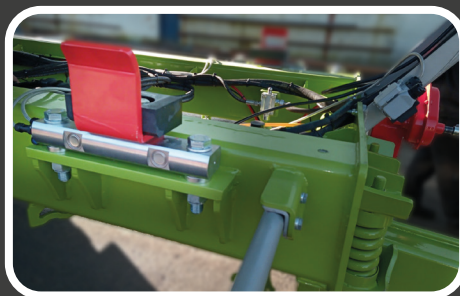
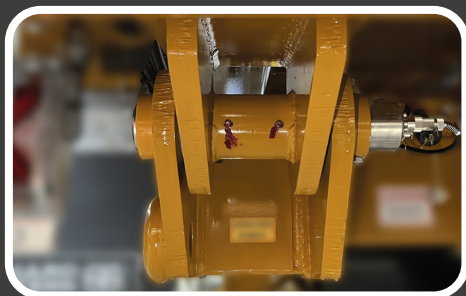
- Object Pool UI delivered straight to the UT
- Setup, calibration, operation and diagnostics for complete scale and load cells 'on the BUS'
- Wide range of load cell types and capacities

Mass-Tel™ The scale system that lives in the load cell

Built for the field. Designed for Integration.

Typical agricultural machinery applications:

- Manure, Fertiliser & lime spreaders
- Chaser bins & crop handling
- Agricultural tipping trailers
- Trailer chassis underbody weighing
- Harvesters/Conveyor rate monitoring
- Grain crimpers
- Ration wagons/diet feeders
- Special applications



Griffith Elder OEM (Original Equipment Manufacturer) weighing solutions stand out due to the focus on customization, durability, precision, advanced technology integration and customer support. Their aim is to provide weighing systems that although technical can be installed, operated and serviced as simply as possible.

Contact us on **+44 1284 719619** or email **sales@griffith-elder.com**