PRECISION FARMING SOLUTIONS

ESD 2 SYSTEM

ELECTRONIC SEED DRIVER

HIGH-TECH CONTROL AND MONITORING SYSTEM
FOR THE ELECTRIFICATION OF PLANTERS

ESD 2 SYSTEM
FOR PLANTERS

Precision Farming Solutions

VIRTUAL TERMINAL 7”
Touch-screen and keyboard

ECU GATEWAY
for ESD modules

ENCODER SENSOR
high speed incremental

ESD MODULE
(brushless motor + electronic driver)

UNI-SEEDER (bracket version)
seed counter photocell

UNI-SEEDER (tube version)
seed counter photocell

ESD (Electronic Seed Driver) is a simple and modular system for integrated high-tech control and monitoring of the electrification of planters (one per single row) and fertiliser distributors (one for every two rows), by means of Brushless motors: **thus eliminating all mechanical seed drill transmission.**

The sowing control and monitoring system can be managed via dedicated VT or to be ISOBUS interfaced with the most popular GPS on the market, guaranteeing the functionalities envisaged by the Tractor’s ISOBUS system.

FEATURES AND ADVANTAGES

- It is possible to add the **ECU BRIDGE** module to standard components of the system making **the seed drill ISOBUS 11783 compatible** by using the Universal Terminals on the tractors.
- **Reduction in set-up times** during seed drill preparation according to the crop to sow.
- **More precise and even sowing** as a result of eliminating mechanical tolerances.
- **VARIABLE RATE sowing**, with prescription maps.
- **Regulation of the sowing distance** directly from the monitor without getting out of the tractor.
- **Elimination of sowing overlap.**
- **Automatic row closing** with GPS interface.
- **Increase in yield and economic performance.**
- **Reduction of maintenance costs and times,** thanks to the elimination of the transmission.

ESD 2 ISOBUS SYSTEM
FOR PLANTERS

MC ELECTRONICS
Precision Farming Solutions

ISOBUS TERMINAL

ECU ISOBUS

ECU GATEWAY
for ESD modules

ENCODER SENSOR
high speed incremental

ESD MODULE
(brushless motor + electronic driver)

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The sowing control and monitoring system can be interfaced with the most popular GPS on the market, guaranteeing the functionalities envisaged by the Tractor's ISOBUS system.

FEATURES AND ADVANTAGES

- **Reduction in set-up times** during planter preparation according to the crop to sow.
- **More precise and smooth sowing** as a result of eliminating mechanical tolerances.
- **VARIABLE RATE sowing**, with prescription maps.
- **Regulation of the sowing distance** directly from the monitor in the cabin.
- **Elimination of sowing overlap.**
- **Automatic row closing** with GPS interface.
- **Increase in yield and economic performance.**
- **Reduction of maintenance costs and times,** thanks to the elimination of the transmission.

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