



In 2017, ROJ launched the DMD-2 motor, a unit optimised in terms of performance and cost for driving seed metering units on high row-count seed drills.

Increasing the number of seeding rows and also the distance of the utilities from the battery, the 12V power supply has some limitations. Therefore ROJ decided to develop a new motor that uses the 48V power supply that can be found in the latest generation of tractors.

The new DMD-2 48V motor is a brushless motor with an electronically controlled planetary gearbox. This motor can be used to replace mechanical or hydraulic transmissions, in agricultural equipment, such as in the variable speed applications.

Main advantages

- For the same motor power, the 48V system uses 1/4 of the current, reducing problems related to the voltage drop
- For the same current consumption, several motors can be connected to the 48V system, increasing the total power installed on the machine

AGRI-MOTION DMD-2

Brushless motor with 48V power supply

Typical applications:

- Actuators for seeding units on precision pneumatic planters
- Individual row actuators for dosing systems



AGRI-MOTION DMD-2 48V



DMD-2 48V

The PCS 200 system can also be used with the DMD 2 motor with 48V power supply, with on axis transmission or on the disk edge (**Precision Planting Application**).



The PCS FS uses the DMD-2 48V motor and allows individual control of **multiple fertiliser distributors**.

Developed for the small farmer up to large estates, this **precision farming** system is the result of experience gained with the PCS 200.