

MS ELECTRON

High tech for small seeds



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HIGH TECH FOR SMALL SEEDS



The innovative, efficient, smart **MS Electron** is a game-changing solution for vegetable planting. It is designed for producers who expect the best, offering unprecedented levels of precision and economizing on resources. With its **modern design** and **100% electric** motors, this vegetable planter guarantees **outstanding planting quality** and an **unbeatable experience**.

REAP THE BENEFITS OF INNOVATION!



MS ELECTRON

SMALL SEEDS **NEED HIGH TECHNOLOGY TOO**

Everything about the MS Electron is designed for smoother, smarter, more accurate planting.



ELECTRIC SEED DRIVE SYSTEM



1-YEAR WARRANTY

6 KEY POINTS THAT MAKE ALL THE DIFFERENCE

#1

EVERY SEED MONITORED

The new **SeedWatch mini SENSOR** ALLOWS **ACCURATE COUNTING IN REAL TIME**

#4

LESS TO THINK ABOUT

Save your data to create outstanding documentation

#2

EVERYTHING IN EASY REACH

Monitor performance in real time with **SeedStar M**

#5

MORE THAN JUST SEEDS

The **MicroSmart** system offers your seeds optimal protection and nutrition

#3

SMALL SEEDS, BIG PROGRESS

Seeds planted only where necessary

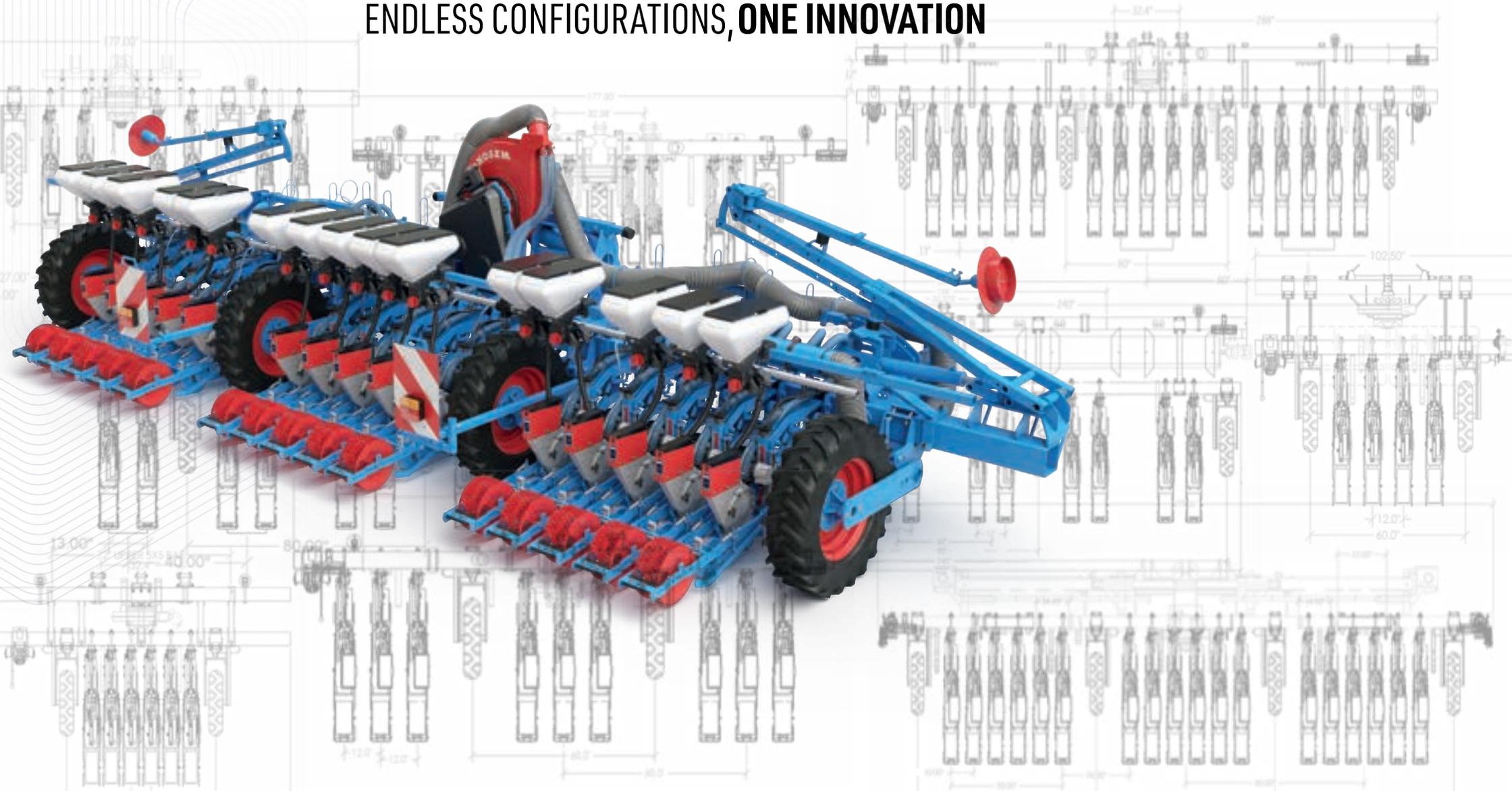
#6

QUICK TO OPEN

Easy opening of the metering box allowing an optimized work rate

MS ELECTRON

ENDLESS CONFIGURATIONS, **ONE INNOVATION**





MS ELECTRON



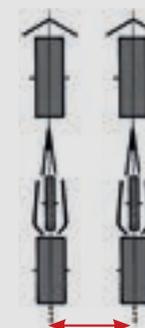
STANDARD EQUIPMENT

- 1 Adjustable clod remover
- 2 12" x 4" self-cleaning front wheel
- 3 Standard narrow shoe
- 4 Narrow intermediate press wheel with stainless-steel tire, plastic scraper and adjustable pressure spring
- 5 Adjustable and individually retractable intermediate hillers
- 6 10" x 4.5" rear cage wheel

MS ELECTRON EQUIPMENT

- 7 Redesigned cover locks
- 8 SeedWatch Mini sensor
- 9 56V Monosem Smart Motor
- 10 Row control module
- 11 Belt drive

INTER-ROW SPACING



minimum 8"

PLANTING TYPE



Single line

THE ORIGINAL DNA



HIGH-PRECISION SEED PLACEMENT

Metering box by Monosem



EASY TO ADJUST

Adjustment hand wheel and depth scale



HIGH-QUALITY PLANT EMERGENCE

Intermediate press wheel



This precision planter has been specially developed to **help professionals** ensure their crops achieve their full potential.

Onion, lettuce, melon, carrot...
Just some of the **multiple seed types** handled effortlessly by the **MS Electron**.



SOFTWARE GET THE MOST OUT OF YOUR MACHINE SOFTWARE

SeedStar M – the perfect equation between data and performance in the field

Population data + Coefficient of variation indicator = Optimized work rate

SEED POPULATION DATA, EVEN WITH HIGH SEED DENSITY

-
The right seed population



SEED SPACING COEFFICIENT OF VARIATION INDICATOR

-
Ensures optimal distribution of seeds in the furrow



OPTIMIZED WORK RATE

-
These data are more than just indicators – they're a valuable decision-making tool for setting working speed



→ ESSENTIAL FEATURES

- + ISOBUS-compatible
- + Seed population management
- + Microgranule rate adjustment
- + Manual row cut-off
- + John Deere Operations Center™ Integration
- + Storage of settings
- + Documentation of agronomic data
- + Real-time singulation control
- + Real-time control of seed spacing consistency

ELECTRONIC USE OUR COMPONENTS TO OPTIMIZE YOUR VEGETABLE CROPS ELECTRONIC

Tailored controls for each product

- Each metering box is driven by a **56V** motor.
This is also the case for each **MicroSmart** microgranulator
 - + Row-by-row section control for seeds and microgranules
 - + Row-by-row variable rate control for seeds and microgranules

A watchful eye over the furrow

- The **MS Electron** planter range is fitted with the **SeedWatch Mini** sensor.
This offers a **comprehensive** and **reliable analysis** of **seed flow**.
 - + Accurate data fed back in real time to the cab
 - + High-precision documentation of agronomic data

Less time, more efficiency

- The various distribution units are **quick to calibrate** using the **MS Electron** electronic components and software.
 - + Seeds and microgranules are quick and easy to calibrate



MILGEM CORE EXPERTISE, INNOVATIVE DETAILS



QUICK TO OPEN

- The metering box is accessed using a **simple turning motion**. This saves precious time when changing crops or performing maintenance. A **captive** locking mechanism is used.



INDEPENDENT SEEDWATCH MINI SENSOR

- The **SeedWatch Mini** counting sensor for the **MS Electron** metering unit is independent from the planting shoe. It is quick and easy to maintain.



ROW-BY-ROW MICROSMART SYSTEM

- One **MicroSmart** unit per row! Microgranule application is managed row-by-row. The high-precision **MicroSmart** microgranulators optimize the quantity of product applied.



MS METERING SYSTEM

- The Monosem metering system exhibits **manufacturing quality** that has earned it a global reputation.



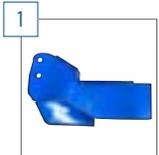
EASY TO MAINTAIN

- The **100% electric MS Electron** system is quick and easy to maintain. There are no gear chains, which drastically reduces the amount of maintenance required.

MSE ELECTRON



→ Main equipment items



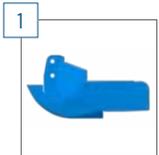
STANDARD NARROW SHOE
Keeps the furrow open in soft soils to improve seed pressing.



INTERMEDIATE PRESS WHEEL
An essential item for pressing seeds to the bottom of the furrow for improved seed to soil contact.



LOW PROFILE NARROW SHOE
Reduces drop height of the seed from the meter to the ground by about 1" compared to the standard shoe



NARROW SHOE WITH ROUNDED TIP AND SHORT WINGS
Less aggressive than the pointed shoe, suitable for soft soils.



FLAT WHEEL WITH STAINLESS-STEEL TIRE
This is ideal for non-sticky, sandy conditions, flattening the soil to ensure seeds are properly pressed.



CAGE WHEEL
This is used for closing the furrow and is ideal in dry conditions or for caked soil.



TIRE FOR CAGE WHEEL
This item makes it easier to use the cage wheel in slightly damp conditions.



FLAT WHEEL WITH SELF-CLEANING TIRE
This is best suited to sticky or slightly damp conditions, as it improves seed-soil contact.



CONCAVE WHEEL
The ideal accessory for closing the furrow in dry conditions.



TIRE FOR CONCAVE WHEEL
Fits to the concave wheel, adapting it to damper conditions.

1 Shoes | 2 Intermediate press wheels | 3 Closing wheels

MONOSEM

Enhanced precision

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All the information concerning the different types of equipment, including external appearance, weight and dimensions, was correct at the time of printing and may vary from country to country. The information may be modified by us without prior notice. This document may not be regarded as a binding in any way. Your Monosem dealer will certainly notify you of any changes. To illustrate this document, certain protective devices may have been removed from equipment. However, this remains exceptional. As indicated in the user instructions, these devices should never be removed.



Monosem is committed to the environment