

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 small seed 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 small seed 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.



100% ELECTRIC



2-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

THREE CONFIGURATIONS, ONE INNOVATION



#1

MS ELECTRON 12-ROW FOLDING FRAME



6m



3m



Configuration-
dependent



MicroSmart-
compatible

#2

MS ELECTRON 15-ROW FOLDING FRAME



7m



3.5m



Configuration-
dependent



MicroSmart-
compatible

#3

MS ELECTRON 18-ROW FOLDING FRAME



7m



3.5m

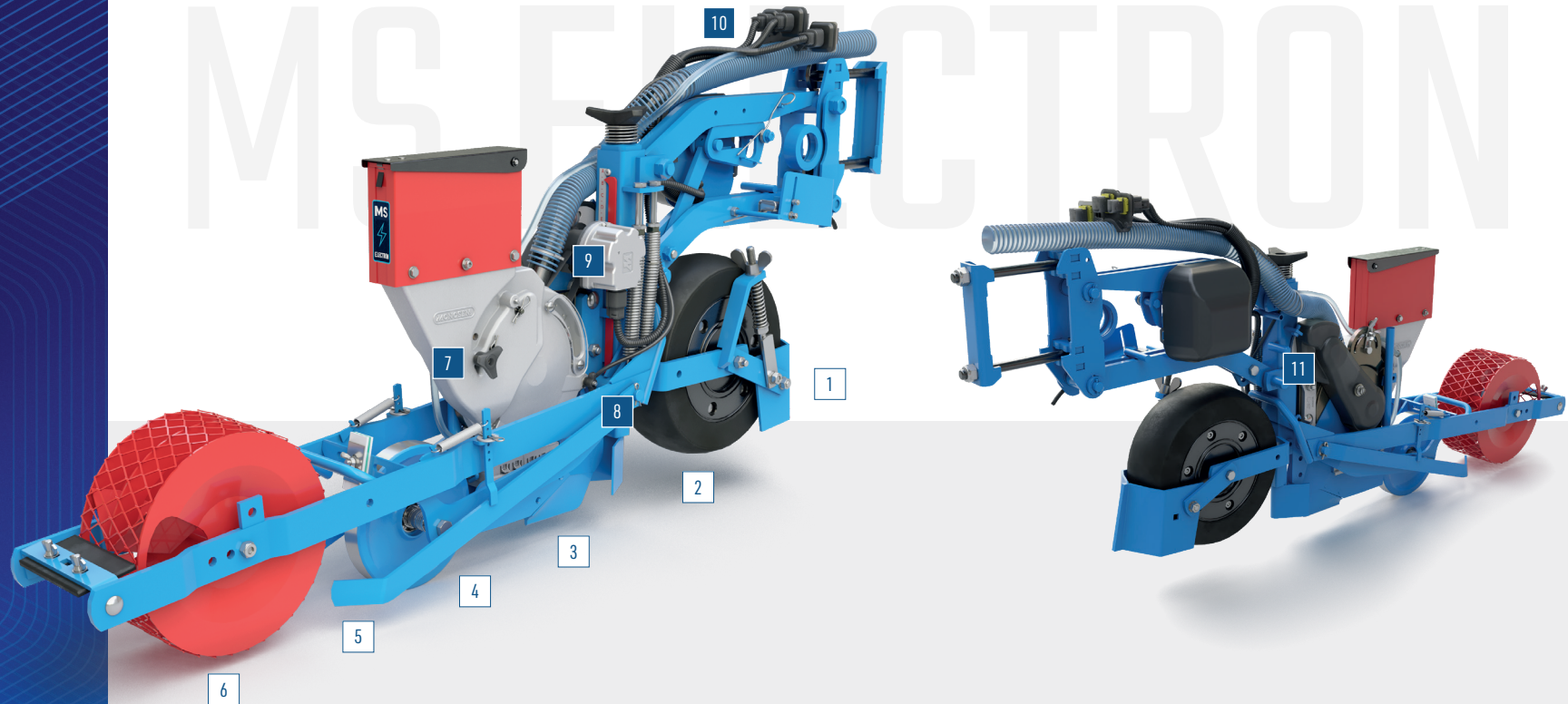


Configuration-
dependent



MicroSmart-
compatible





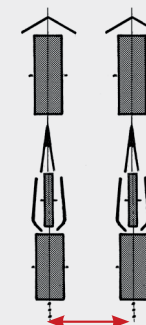
STANDARD EQUIPMENT

- 1 Adjustable clod remover
- 2 300 x 100 self-cleaning front wheel
- 3 Narrow pointed shoe with short wings
- 4 Narrow intermediate press wheel with stainless-steel tire, plastic scraper and adjustable pressure spring
- 5 Adjustable and individually retractable intermediate scrapers
- 6 250 x 120 rear cage wheel

MS ELECTRON EQUIPMENT

- 7 The cover locks in next to no time
- 8 SeedWatch Mini sensor
- 9 56V Monosem Smart Motor
- 10 Row control module
- 11 Belt drive

INTER-ROW SPACING



At least 20cm

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 SHOOT EMERGENCE

Intermediate press wheel



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

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



GET THE MOST OUT OF YOUR MACHINE

An in-cab display – 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
- + Tramline
- + Storage of settings
- + Documentation of agronomic data
- + Real-time singulation control
- + Real-time control of seed spacing consistency

USE OUR COMPONENTS TO OPTIMIZE YOUR VEGETABLE CROPS

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
 - + An optional WDS (with settings adjusted using an Android smartphone) is available for up to 1 million seeds/ha



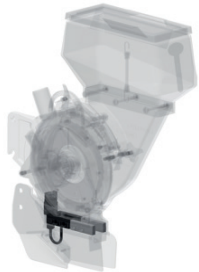
CORE EXPERTISE, INNOVATIVE DETAILS



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.



INTEGRATED VACUUM SENSOR

-

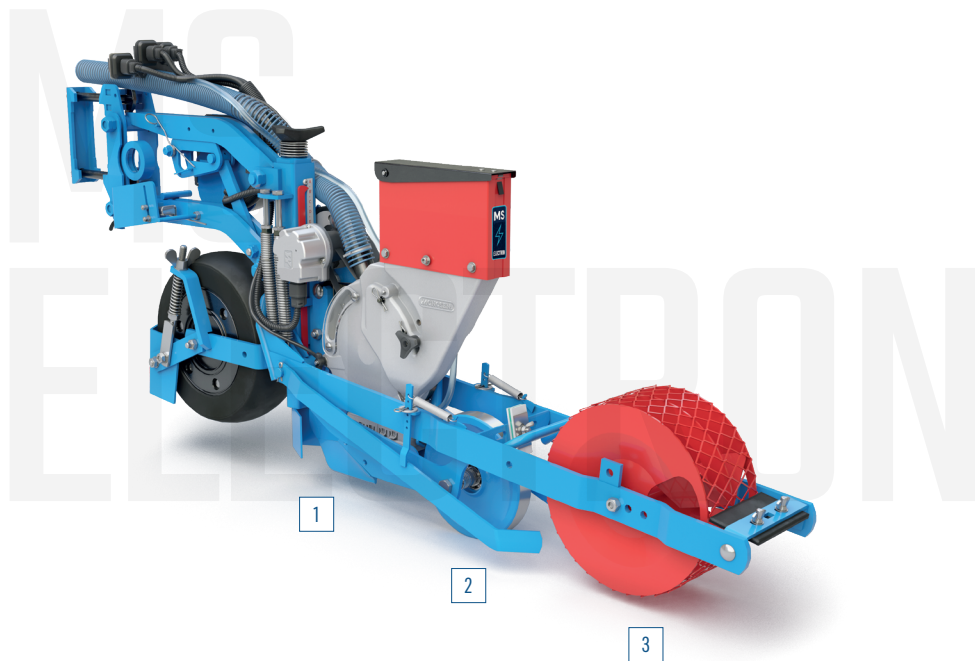
The vacuum pressure setting is vital for ensuring that the seed metering system is operating optimally. **MS Electron** planters are fitted as standard with a vacuum sensor.



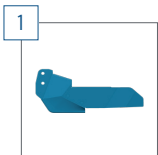
EASY TO MAINTAIN

-

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

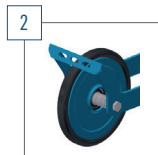


→ Main equipment items



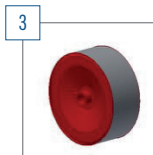
NARROW POINTED SHOE WITH EXTENDED WINGS

Keeps the furrow open in soft soils to improve seed pressing. Incompatible with a press wheel.



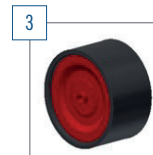
INTERMEDIATE PRESS WHEEL WITH FLEXIBLE SELF-CLEANING TIRE

An essential item for re-pressing seeds in damp conditions.



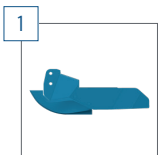
FLAT WHEEL WITH STAINLESS-STEEL TIRE

This is ideal for non-sticky, sandy conditions, flattening the soil to ensure seeds are properly pressed.



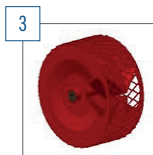
FLAT WHEEL WITH SELF-CLEANING TIRE

This is best suited to sticky or slightly damp conditions, as it improves seed-soil contact.



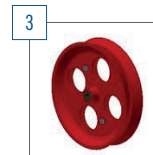
NARROW SHOE WITH ROUNDED TIP AND EXTENDED WINGS

This is less aggressive than the pointed shoe, keeping the furrow open in soft soils. Incompatible with a press wheel.



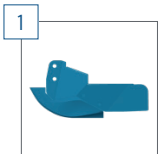
CAGE WHEEL

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



CONCAVE WHEEL

The ideal accessory for closing the furrow in dry conditions.



NARROW SHOE WITH ROUNDED TIP AND SHORT WINGS

Less aggressive than the pointed shoe, suitable for soft soils.



TIRE FOR CAGE WHEEL

This item makes it easier to use the cage wheel in slightly damp conditions.



TIRE FOR CONCAVE WHEEL

Fits to the concave wheel, adapting it to damper conditions.

1 Shoes | 2 Intermediate press wheels | 3 Closing wheels

MS ELECTRON CONFIGURATIONS

NUMBER OF ROWS	12	15	18
Frame type	6m double-bar folding VB frame	7m double-bar folding VB frame	
Frame width	6m	7m	
Transport width	3m	3.5m	
Inter-row spacing	According to machine configuration (inter-row spacing, raised bed layout, tractor track width) with a compulsory drawing to be produced by the Monosem technical sales department		
Seed suction system	As standard	As standard	As standard
MicroSmart	Compatible	Compatible	Compatible

MONOSEM

Enhanced precision

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However, this remains exceptional. As indicated in the user instructions, these devices should never be removed.

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