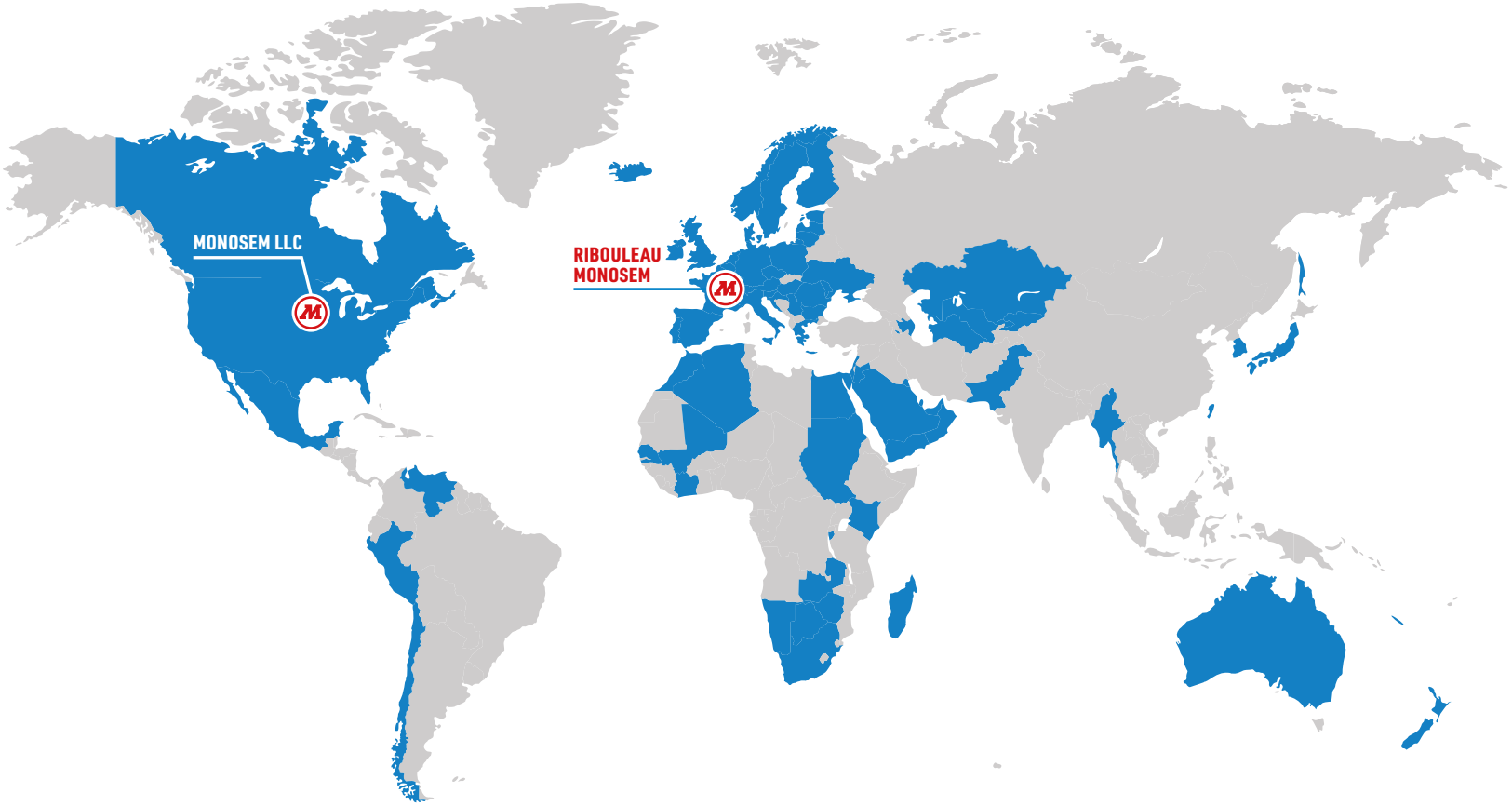
MECA **V4 / V4E**

Recommended by sugarbeet growers

MONOSEM FOUNDING PRINCIPLES

Seed planting is an investment and a crucial step in ensuring crops reach their full potential. Many farmers in over **80 countries** worldwide have chosen to rely on **Monosem** technology.
We can now boast over 75 years of shared history. Built on reliability, durability and agronomic performance, this trust placed in our company is now further consolidated by technological innovations. From planters to cultivators, intelligence is at the heart of all **Monosem** equipment.
Our goals rest on three pillars: innovation for agriculture, top-quality performance and intelligence-driven sustainability.



MECA V4/4E

Recommended by sugarbeet growers

DATA **SHEET**

MECA V4/4E

Recommended by sugarbeet growers

The MECA V4/4E unit features a planting-with-shoe system, making it the perfect solution for **planting sugarbeet**. It is designed to allow two depth control configurations: by front gauge wheel or balancing system. The **key benefits** of this unit specially designed for pelleted seeds are **placement quality, depth consistency and emergence quality.** In order to achieve high planting standards, a metering unit requires a quality metering system. That's why we have harnessed all our expertise to offer you an accurate, simple and highly reliable metering system.

TILLAGE
Traditional or low-till

NUMBER OF ROWS
6 to 18 rows

INTER-ROW SPACING
45 to 50 cm

CROP TYPES
Sugarbeet, Rapeseed, Chicory

DRIVE
Mechanical or electric

PRESSURE SYSTEM
Double springs + Additional pressure spring (optional)

PRESS WHEEL
Intermediate press wheel

HOPPER
8L seed hopper

ASSISTED ADJUSTMENT SYSTEM
Mobile app: EasyAdjust

ASSISTED PLANTING SYSTEM
S8000E software
(for the electric version only)

DATA FEEDBACK
/

ISOBUS
ISOBUS-certified
(electric model)

SAVINGS ON INPUTS
TC-SC: GPS-guided row-by-row cut-off system - TC-GEO: Variable rate control across the entire planter width (if ISOBUS)

FERTILIZER/MICROGRANULES
Fertilizer unit + Microsem

PLANTING
Shoe (double opener discs optional)

FRAME
5-inch frame

PRECISION
FROM EVERY ANGLE

THE MECA V4/4E
PLANTING SYSTEM

The MECA V4/4E metering unit is ideal for traditional tillage conditions and can be equipped with **two types** of depth control system: a "front gauge wheel" or "balancing system". The unit can also be used in low-till conditions with the optional double opener discs that increase soil penetration capacity while also providing optimal planting depth control.

A game-changing concept

Inconsistent depth can result in lower yield. ***Avoid this risk by choosing the Monosem planting system.***

The Monosem planting concept enables fast and uniform shoot emergence. With Monosem, you can also choose a planting system type that meets your requirements.

- → **Flawless depth control**
- → **Optimal soil-seed contact**
- → **You can choose a planting system to suit your needs**

1.A

CLOD REMOVER AND FRONT GAUGE WHEEL

The clod remover clears the way for the seed line, removing any clods or stones, while the gauge wheel presses the soil and controls depth.

1.B

DOUBLE OPENER DISCS

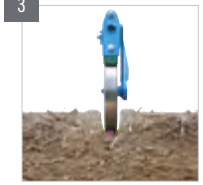
The double opener discs open the furrow to clear the way for the shoe in low-till conditions. The two wheels also control depth. You are free to choose whether configuration 1a or 1b is better suited to your tillage conditions and soil type.

2

SHOE

The shoe opens the furrow to a depth defined by the front gauge wheel (or combined with the rear closing wheels for units with a "balancing system").

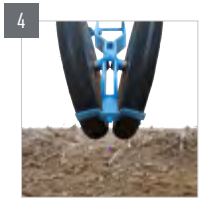
3



INTERMEDIATE PRESS WHEEL

The pressure-adjustable intermediate press wheel presses seeds to the furrow bottom for rapid and uniform shoot emergence.

4



REAR CLOSING WHEEL UNIT

This wheel unit composed of two tilted (2-inch) wheels closes the furrow around the seeds to ensure optimal germination.

OPTION

"BALANCING SYSTEM" KIT

"Front gauge wheel" units can be converted to "balancing system" units using a kit available as an accessory.

WHY CHOOSE **THE MECA V4/4E** PLANTER?

Unfailing precision
Cell-based mechanical metering specially designed for pelleted seeds

Incredible planting capacity
Depth control, intermediate press wheel, etc.

Long service life in all conditions
Cast-aluminium metering box, heavy-duty parallel linkage, etc.

METERING **UNIT**

MECA V4/4E

The MECA V4/4E unit features a planting-with-shoe system, making it the perfect solution for **planting pelleted seeds.** Depth control can be achieved either by a front gauge wheel or a balancing system. Its durability and reliability allow you to plant in optimal conditions.

Depth adjustment
Depth can be adjusted quickly using a lever for units equipped with a "front gauge wheel" system or a hand wheel for units equipped with a "balancing system". The lever adjustment mechanism is accurate to the nearest 5mm and the hand wheel system is accurate to the nearest millimeter.

Parallel linkage
The heavy-duty parallel linkage with high clearance is mounted on replaceable bushings. An optional adjustable pressure spring is available to improve metering unit stability.

Metering unit head
The MECA V4 metering unit head is equipped as standard with a manual row cut-off system. An optional electric row cut-off system connected to the seed monitor is also available enabling row cut-offs to be managed automatically for sprayer passes.

Front wheel
Two types of ball-bearing-mounted self-cleaning front wheels are available for MECA V4/4E metering units:

- One 260 x 100 wheel with an adjustable clod remover for traditional tillage conditions
- Two 285 x 65 wheels with double opener discs for low-till conditions with trashy soils

Shoe
A rounded shoe is used for seed placement. Its tip can be replaced and an optional carbide shoe is available if required.

Hopper
The durable translucent plastic hopper has a capacity of 8L.

Rear closing wheel unit
Two tilted (2-inch) wheels with an extra-flexible self-cleaning tire close the furrow. These have been specially designed to give the tread a high degree of flexibility for optimal use even on very sticky soils. The wheels' ground pressure is adjustable. They are also equipped with scrapers and are mounted on reinforced bearings.

Intermediate press wheel
Once seeds are planted, a separate wheel with a stainless-steel tire presses them. This wheel equipped with a plastic scraper is pressure-adjustable and can also be retracted.

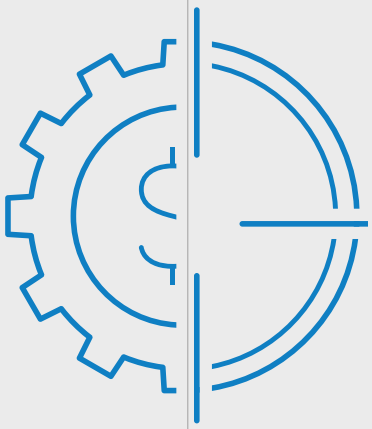
Stand
Although a stand may seem a trivial feature, it prevents the shoe from becoming clogged up when the planter is left standing.

DRIVE **TYPES FOR THE**
MECA V4/4E

MECHANICAL DRIVE

PRICE & OPERATION

- → **Competitive price**
- → **Quick to start up**
- → **Tried-and-tested operation**
- → **Intuitive handling**
- → **Easy to start up**



ELECTRIC DRIVE

EASE-OF-USE & PRECISION

- → **Settings adjusted in cab**
- → **Easy to maintain**
- → **Easy to operate at field ends**
- → **Non-stop control**
- → **Non-slip**
- → **AEF-certified ISOBUS compatibility**
- → **Savings on seeds (GPS-guided row cut-off system)**
- → **Optimized planting due to GPS-guided variable rate control**
- → **Precision settings**

"FRONT GAUGE WHEEL" UNITS

On MECA V4 metering units with a "Front Gauge Wheel" system, planting depth is controlled using the front wheel.

MECA V4 METERING UNIT

260x100 front wheel - Front gauge wheel

MECA V4 METERING UNIT

285x65 front wheel + double opener disc - Front gauge wheel

"BALANCING SYSTEM" UNITS

On MECA V4 metering units with a "Balancing System", planting depth is controlled using the front wheel and rear closing wheels.

MECA V4 METERING UNIT

260x100 front wheel - Balancing system

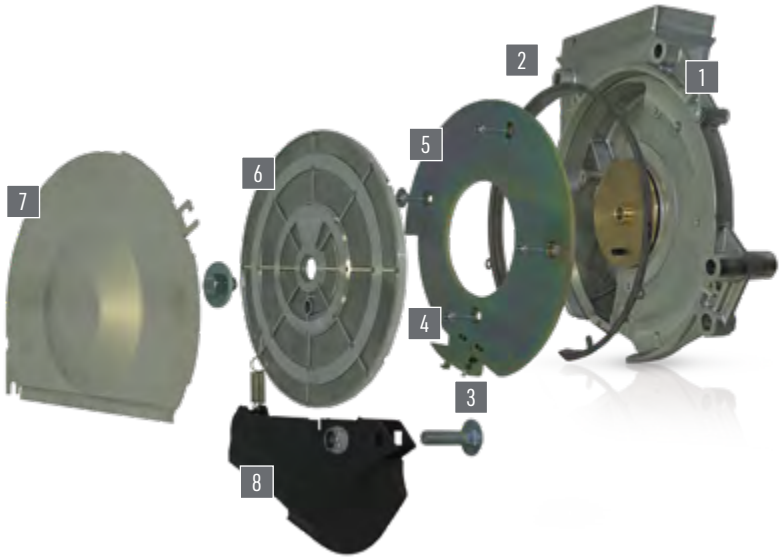
MECA V4 METERING UNIT

285x65 front wheel + double opener disc - Balancing system

THE MECA V4/4E METERING SYSTEM

To achieve quality planting, you need a good metering system

That's why we have harnessed all our expertise to offer you an **accurate, simple and highly reliable metering system.** Its top-quality manufacturing has earned the MECA V4/4E metering system a name for uniform planting and unrivalled seed positioning.



1


CAST-ALUMINIUM METERING BOXES

The metering box made from cast aluminium is very simple and requires no adjustment.

2

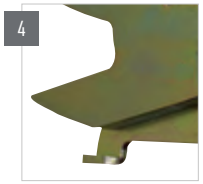

REPLACEABLE INSERT

A stainless-steel insert is fitted around the entire inner rim of the box. The box's service life is very long due to this extremely durable replaceable insert.

3


BRUSH

Once seeds are ejected from the disc, the brush cleans the cells to ensure optimal metering of subsequent seeds. It keeps your box clean and maintains metering performance!

4


EJECTOR

To avoid clogging disc cells, an ejector removes any seeds that remain trapped in them.

5


SELECTION PLATE

Each seed type has its own specific selection plate. Selection plates are available for different seed types.

6


SEED DISC

The seed disc is internally driven by a vertical rotor. The large-diameter disc (250mm) ensures exceptional placement accuracy, even at high speeds. A range of discs is available for all standard sizes of pelleted sugarbeet and chicory seeds.

7


PROTECTIVE COVER

The protective cover for the disc is made of stainless steel. This protects the disc against clods, stones and trash.

8


SHOE

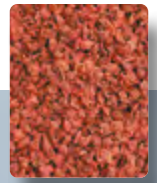
Seeds are planted by a shoe with a replaceable tip. It can be tilted to quickly access the metering box.

EMPTYING

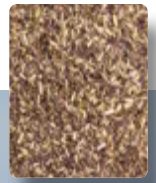
The metering box is designed to accumulate minimal seed quantities. It can be emptied using a hatch.

THE SPECIALIST
IN PELLETED SEEDS

SUGARBEET



CHICORY

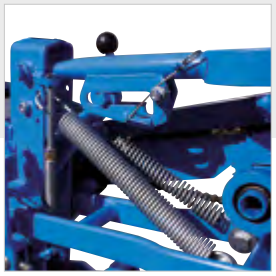


RAPESEED

MAIN EQUIPMENT
ITEMS

Monosem supplies a wide variety of equipment that adapts perfectly to your planting conditions.

Based on our experience, we can help you choose the equipment you need.



ADDITIONAL PRESSURE SPRING

An additional adjustable pressure spring can be added for planting in hard or trashy soils (supplied as standard with units equipped with double opener discs).

SIDE SCRAPERS

The side scrapers, for use in particularly hard soils which are difficult to close, bring in more soil to cover the seed line before the furrow is closed by the rear closing wheel unit.

INTERMEDIATE PRESS WHEEL WITH FLEXIBLE TIRE

For particularly sticky soils, a press wheel with a rubber tire can be fitted instead of a wheel with a stainless-steel tire.

PLANTER
COMPONENTS
MECA V4/4E

MECA V4 planters are equipped with TIP 5" frames. **A wide range of assemblies and equipment** can be used with this frame type and the special system for attaching metering units and planter components.

EASYADJUST

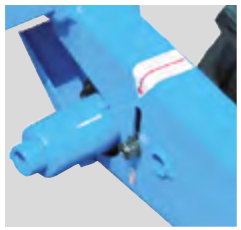
Download the free Monosem "EasyAdjust" app from Google Play or App Store to help you adjust your seed populations.

App Store

Google Play

WHEEL UNITS 1

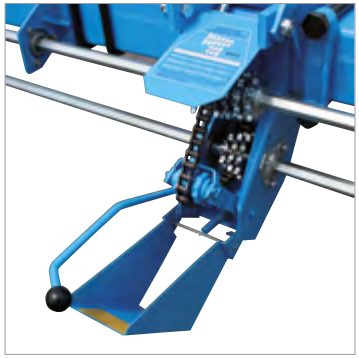
On Monosem planters, all the wheels drive the seed discs. This ensures that the drive system operates smoothly, thus increasing planting consistency. All wheel units are equipped with a slip clutch reducing stress on the seed discs on bends. Frames for planters with 18 rows and above are fitted with reinforced wheel units. Wheel units are supplied with narrow wheels (500x15).


Safety clutch


Standard wheel unit


Reinforced wheel unit

2 SEED SPACING GEARBOXES



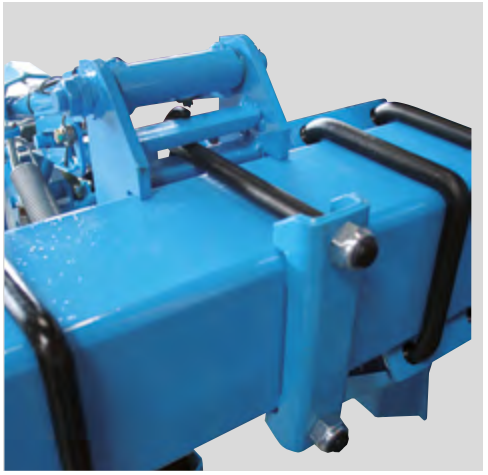
The 18-ratio seed spacing gearbox allows precision seed population adjustment. The population can be changed quickly.
A single lever releases the chain. Then just place the required sprockets opposite each other and release the lever to retighten the chain.

With the standard 18-ratio gearbox, the seed population can be adjusted quickly and accurately.

3 ROW MARKERS

Row markers for MECA V4 planters are fitted with discs mounted on hubs with double-row ball bearings. This type of disc ensures consistent marking whatever the conditions.
A disc crown that bolts onto the row marker disc is also available as standard or as an option depending on the model.
On soft soil, this crown limits the row markers' working depth and on hard ground, it adds extra weight to the row markers to improve marking. Single, double or triple-folding row markers are available depending on the planter model. Six-row planters are equipped as standard with manual row markers with shoes. Optional hydraulic disc row markers are also available.

Single, double or triple-folding hydraulic row markers are available for rigid and coupled frames depending on the planter width (a row marker for an 18-row rigid frame is shown above). Hydraulic row markers for folding frames are equipped with a compact folding system.

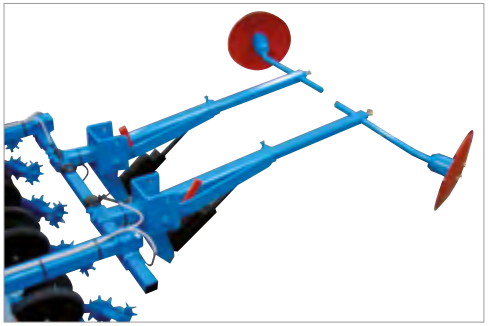


CLAMP-BASED UNIT ATTACHMENT SYSTEM

The clamp-based unit attachment system ensures that units are safely and securely attached. If required, units can be moved to adjust inter-row spacing by loosening the clamps. This attachment system removes any risk of units sliding sideways during work and can withstand even the toughest working conditions.

WHEEL MARK ERADICATORS (OPTIONAL)

Optional wheel mark eradicators with flexible tines are available for MECA V4 planters. These wheel mark eradicators are available in two widths: 0.6 and 1m.



PRE-EMERGENCE DISCS (OPTIONAL)

Pre-emergence discs are used for marking sprayer passes prior to crop emergence. The pre-emergence discs are controlled by a seed monitor with automatic row cut-off management (contact us).

RIGID FRAMES

45-50cm

3-9.2m

6-18
metering units

2.5-3m
(with carriage)

Frame	Rigid Monobar		Rigid Double-bar	Rigid Triple-bar	
Bar length	3m	6.1m	6.1m	8.4m	9.2m
Number of metering units	6	12	12	18	18
Inter-row spacing (cm)	45 or 50	45 or 50	45 or 50	45	50
Number of drive wheel units	2	4	6	6	6
Transport width (with carriage)	-	2.5m	2.5m	2.5m	2.5m

RIGID MONOBAR FRAME

The rigid Monobar frame can accommodate a bar measuring 3 to 6.1m. 6 to 12 metering units can be installed on this simple and economical frame with or without a fertilizer unit. It can be hitched to relatively lightweight tractors due to its reduced overhang and weight.

RIGID DOUBLE-BAR FRAME

The rigid double-bar frame is designed to be heavy-duty and versatile. A bar length of 6.1m with space for 12 rows is possible due to the double-bar configuration. Standard fertilizer units can also be installed on this frame.

RIGID TRIPLE-BAR FRAME

The rigid triple-bar frame is designed to be heavy-duty and versatile. Due to its triple-bar configuration, it can accommodate 18 metering units with a bar length of up to 9.2m.

TRANSPORT CARRIAGES

An optional lengthwise transport carriage is available. The raising system for this transport carriage may be manual (TIP 5" frames) or hydraulic (TIP 5" frames and TOP 7" frames). For TOP 7" frames, this carriage may be optionally equipped with a hydraulic or pneumatic braking system.

MECA V4 18-row triple-bar rigid planter with transport carriage

MECA V4 6-row monobar rigid planter with Microsem

MECA V4 12-row monobar rigid planter

MECA V4 18-row triple-bar rigid planter with Microsem and transport carriage

FOLDING **FRAMES**

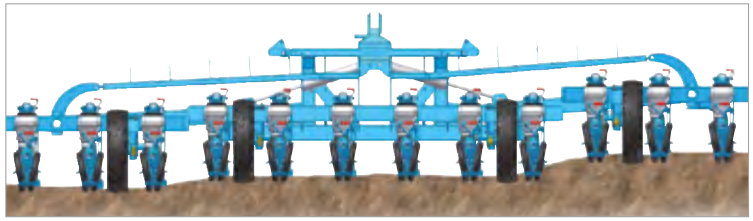
Frame	Folding Compact monobar	Folding Double-bar
Bar length	6m	6m
Number of metering units	12	12
Inter-row spacing (cm)	45 or 50	45 or 50
Number of drive wheel units	4	4
Transport width	3m	3m

FLOATING MONOBAR COMPACT FOLDING FRAME

The floating monobar compact folding frame accommodates 12 metering units. It folds to a width of 3m for safe road transport. The floating wings allow the planter to follow the ground contours seamlessly. It can be hitched to relatively lightweight tractors due to its reduced overhang and weight.

FLOATING DOUBLE-BAR FOLDING FRAME

The floating double-bar frame accommodates 12 metering units. It folds to a width of 3m for safe road transport. The floating wings allow the planter to follow the ground contours seamlessly. This frame also accommodates equipment for a front fertilizer.



Compact, double-bar and three-level folding frames include independent wings with wheel units. This feature enables them to follow the ground contours seamlessly. At the field ends or when finishing a field, either (or both) wing(s) can also be raised, which automatically stops metering.

MECA V4 12-row double-bar folding planter

MECA V4 12-row double-bar folding planter with Microsem

MECA V4 12-row compact folding planter with Microsem

MECA V4/4E TECHNICAL CHARACTERISTICS

Frame		Rigid					Folding	
		Monobar		Double-bar	Triple-bar		Compact	Double-bar
Width		3m	6.1m	6.1m	8.4m	9.2m	6m	6m
Transport width (with lengthwise transport carriage)		3m -	6.1m (2.5m)	6.1m (2.5m)	8.4m (2.5m)	9.2m (2.5m)	3m -	3m -
Number of rows		6	12	12	18	18	12	12
Inter-row spacing		45 or 50	45 or 50	45 or 50	45	50	45 or 50	45 or 50
Tires		2 x (500 x 15)	4 x (500 x 15)	6 x (500 x 15)	6 x (500 x 15)	6 x (500 x 15)	4 x (500 x 15)	4 x (500 x 15)
Drive	Mechanical (16-speed seed spacing gearbox)	1	1	1	2	2	3	3
	Electric	❍	Contact us	Contact us	Contact us	Contact us	❍	❍
Hydraulic row markers		❍	●	●	●	●	●	●
Standard fertilizer unit		❍ 2 x 175L.	❍ 4 x 175L.	❍ 4 x 175L.	-	-	-	❍ 4 x 175L.
Front fertilizer		❍	❍	❍	-	-	-	❍
Microsem Insecticide		❍	❍	❍	❍	❍	❍	❍
Hectare counter		❍	❍	❍	❍	❍	❍	❍
Seed monitors		❍	❍	❍	❍	❍	❍	❍
Lighting kit		❍	❍	❍	❍	❍	❍	❍
Integrated lengthwise transport carriage		-	❍ TIP 5"	❍ TIP 5"	❍ TIP 5"	❍ TIP 5"	-	-
Weight of planter alone		800kg	1,600kg	1,750kg	2,700kg	2,800kg	2,000kg	2,200kg

●: Standard
❍: Optional
- : Not available

MECA V4 SEED DISCS

Type of planting	Discs supplied as standard	Number of cells	Cell width	On-row spacing (Standard gearbox)
Sugarbeet	5.5E5	5	5.5 and 5.7mm	12 to 25cm
Chicory	4E10	10	4 mm	6 to 12.5cm
Rapeseed	2.8C14	14	2.8mm	4.5 to 9cm

SUGARBEET

CHICORY

RAPESEED

EQUIPMENT
MEETING EVERY NEED

Microsem
For flawless application of your microgranules

Fertilizer units
We have the solution to apply precisely the required rate

ISOBUS solutions
AEF certification guarantees full compatibility between your tractor and our equipment through a powerful ISOBUS connection.

MICROSEM

Precision nurturing

Microsem's primary objectives are to nurture and protect seeds. Distributing microgranules requires just as much care and precision as planting. Our auger-based Microsem system ensures consistent distribution of insecticides, molluscicides and even fertilizers. Microgranules are positioned very close to seeds, protecting them from pests and providing them with all the nutrients they require for uniform shoot emergence.

MICROGRANULATOR ADJUSTMENT

An 18-ratio gearbox is used to adjust the quantity of microgranules applied during planting. Using the chart

The EasyAdjust mobile app available from Google Play and App Store can also be used.

INTUITIVE EMPTYING

Using the hatches and chute, it's quick and easy to empty any remaining product.

AUGER-BASED METERING

The microgranules contained in the hopper are taken up by 2 augers. Agitators ensure an even supply to these augers. A finger wheel then distributes the product consistently in the drop lines.
Insecticide: 3 to 25 kg/ha for inter-row spacing of 75cm
Molluscicide: 3 to 10kg/ha for inter-row spacing of 75cm

CHOOSE THE RIGHT LINE

The standard capacity of Microsem hoppers is 20L. Optional 40L hoppers are also available (for some frame types).

Using the hatches and chute, it's quick and easy to empty any remaining product.

ELECTRIC DRIVE

Electrically driven Microsem units are available for the MECA V4E:
- *The required rate can be entered precisely*
- *Quick and easy to calibrate the product*
- *Automatic row cut-off system available*
- *Microgranulators controlled manually or by GPS*

MECHANICAL DRIVE

A mechanical version of the Microsem system with a chain gearbox or variable speed drive is also available for the MECA V4. The variable speed drive provides a quick and easy way of adjusting the fertilizer rate.

FERTILIZER **UNITS**

With our full range of standard and high-capacity fertilizers, we can offer a sturdy fertilizer system that suits your planting conditions perfectly. Fertilizer is evenly distributed using a system combining auger-based metering and agitators. Stainless-steel augers with different pitches are available, ensuring that exactly the required quantity is metered.

STANDARD OR HIGH-CAPACITY
MOUNTED HOPPERS

Just choose the capacity you need! 175L or 980L hoppers are available with several outlets, supporting you throughout planting and ensuring unrivalled precision.

FERTILIZER
ADJUSTMENT

A 12-ratio gearbox is used to adjust the quantity of fertilizer applied during planting. - Using the chart

Using the EasyAdjust mobile app available from Google Play and App Store

FERTILIZING UNITS
WITH TINES OR DISCS

With tines: replaceable tip

With double discs (or reinforced double discs):
Versatile and more suitable for low-till conditions

AUGER-BASED
METERING

Fertilizer is evenly distributed using a system combining auger-based metering and agitators. Stainless-steel augers with different pitches are available, ensuring that exactly the required quantity is metered. The "standard" augers (A) are blue and meter 80 to 350kg/ha of fertilizer at inter-row spacing of 75cm.

The "high-output" augers (B) are red and meter 160 to 700kg/ha of fertilizer at inter-row spacing of 75cm.

ELECTRIC
DRIVE

Electrically driven fertilizer units are available for the MECA V4E.

MECHANICAL
DRIVE

A mechanical version of the fertilizer units is also available for the MECA V4, with a variable speed drive The variable speed drive provides a quick and easy way of adjusting the fertilizer rate.

Front-mounted hoppers

Monosem's front-mounted hoppers have been specially designed for fertilizer application. The heavy-duty frame with integrated cradle and 100% stainless-steel distribution unit stand testament to **quality manufacturing**. The turbofan can be driven by PTO or hydraulic motor.

STANDARD FRONT-MOUNTED HOPPER

1,000L and 1,600L standard front hoppers are available. The assembly can be fitted to planters with up to 12 rows. This fertilizer is equipped with a stainless-steel distribution unit and a mechanical or electric drive allowing rapid adjustments to the quantity of fertilizer applied.

CYCLONES

Cyclones are fitted opposite each metering unit allowing the fertilizer to drop by gravity thus limiting dust formation caused by pumped air.

STAINLESS-STEEL DISTRIBUTION UNIT

The 100% stainless-steel metering system on the front-mounted fertilizer has two closing hatches and can be quickly removed.

ELECTRIC DRIVE FOR THE DISTRIBUTION UNIT

With electrically driven versions of the Standard and DUO front hoppers, fertilizer quantities are managed in-cab using the F800E ECU and the ISOBUS touch terminal (TOUCH or TOUCH Mini). Electrically driven front fertilizers are equipped with a metering cylinder that can be removed quickly without tools and also include a metering anticipation function.

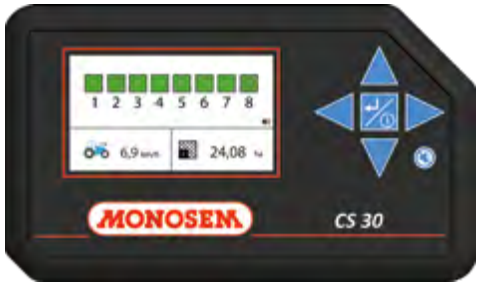
SEED MONITORS

Precision planter specialist Monosem supplies **seed monitors that offer a wide range of functions, from simply checking the seed drop to counting the seeds and indicating the distance between them.** Monosem also supplies ISOBUS solutions enabling seed population management and GPS-guided automatic row cut-offs.

THE **CS10**

Basic seed monitor with LED display

- → Seed flow monitoring
- → LED display
- → Possible to discontinue monitoring of certain rows



THE **CS30 CLASSIC**

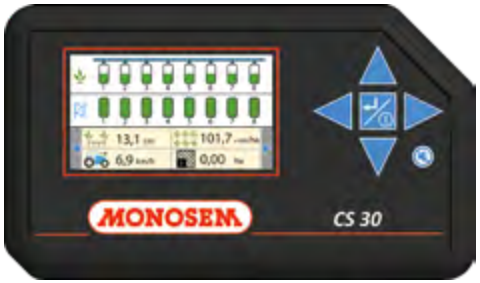
Upgradable seed monitor with color screen

- → Seed flow monitoring
- → Hectare counter (working area and speed)
- → Possible to upgrade to the Comfort version using an activation key

THE **CS30 COMFORT**

Upgradable seed monitor with color screen

- → Seed flow monitoring
- → Seed counter (seed population and spacing)
- → Hectare counter (working area and speed)



THE **CS30 PREMIUM**

Upgradable seed monitor with color screen

- → Seed flow monitoring
- → Seed counter (seed population and spacing)
- → Hectare counter (working area and speed)
- → Row cut-off management

ISOBUS SOLUTIONS

Monosem supplies ISOBUS solutions providing users with a wide range of features including seed monitoring, seed population adjustment and GPS-guided automatic row cut-offs. Monosem was awarded Agricultural Industry Electronics Foundation (AEF) certification for the control units used with its electric planters (S8000E) and front fertilizers (F800E).

This certification guarantees maximum compatibility between ISOBUS-enabled tractors and Monosem tools. Our planters are certified for the following features: UT (Universal Terminal), TC-BAS (Task Controller Basic), TC-SC (Task Controller Section Control) and TC-GEO (Task Controller Geo-Based).

AEF Certified ISOBUS www.aef-isobus-database.org

UT

UT **UNIVERSAL TERMINAL**

The terminal is the interface enabling users to control the planter. It is connected to the ECU by a cable with a standardized 9-pin connector. Users can either use an ISOBUS terminal supplied by Monosem (TOUCH Mini, TOUCH or TOUCH Pro) or the tractor ISOBUS terminal if this is compatible.

TC-BAS

TC-BAS **TASK CONTROLLER BASIC**

The TC-BAS feature allows users to automatically and continuously save all data related to work carried out.

TC-SC

TC-SC **TASK CONTROLLER SECTION CONTROL**

The task controller section control system allows automated management of row cut-offs based on GPS position and the required degree of overlap. This system enables savings on seeds by avoiding unnecessary overlaps (requires a GPS antenna and an activated license). List of compatible terminals: - TOUCH - TOUCH Mini - TOUCH Pro - Other ISOBUS terminals with the TC-SC function (contact us). GPS-guided row cut-offs are also compatible with operating planters.

TC-BAS

TC-GEO **TASK CONTROLLER GEO-BASED**

The TC-GEO feature integrated in our electrically driven planters (S8000E) enables automatic adjustment of seed population based on the planter's position in the field. This means that seed population can be managed automatically using a prescription map and adjusted to maximize the field's potential.

→ ISOBUS TERMINALS

In its efforts to continually improve planting ergonomics, Monosem provides universal access to new technologies. Its ISOBUS terminals are equipped for GPS-guided row cut-off management, which further increases operating precision.

TOUCH **TERMINAL**

- → 12.1" color touch screen
- → ISOBUS terminal (ISO 11783)
- → USB port
- → Simultaneously displays several work screens
- → Camera (optional)
- → For S7000C-12, S7000H-12, S8000E-24 and F800E
- → Dimensions (LxHxD): 345 x 254 x 87mm

TOUCH MINI **TERMINAL**

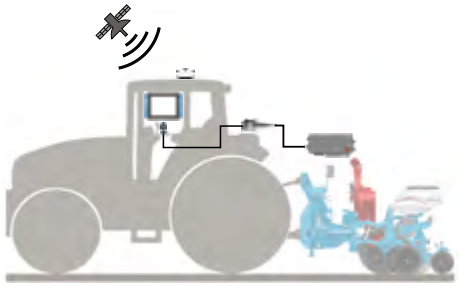
- → 8" color touch screen
- → ISOBUS terminal (ISO 11783)
- → USB port
- → Simple and intuitive to navigate between the different work screens
- → Camera (optional)
- → For S7000C-12, S7000H-12, S8000E-24 and F800E
- → Dimensions (LxHxD): 244 x 186 x 67 mm

TOUCH PRO **TERMINAL**

- → 10" color touch screen
- → ISOBUS terminal (ISO 11783)
- → Variable rate control
- → USB ports
- → WiFi
- → Displays several work screens
- → Camera (optional)
- → For S8000E-24 and F800E
- → Dimensions (LxHxD): 268 x 212 x 55 mm
- → Simple and intuitive to navigate between the different work screens
- → The TOUCH Pro terminal is only compatible with John Deere antennas.

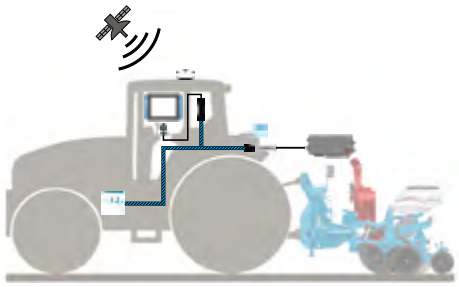
CONNECTION SYSTEMS

In its efforts to continually improve planting ergonomics, Monosem provides universal access to new technologies. Its ISOBUS terminals are equipped for GPS-guided row cut-off management, which further increases operating precision.



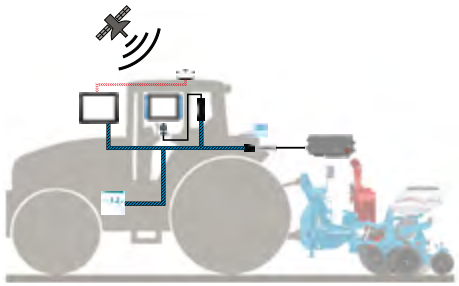
EXAMPLE 1:
NON-ISOBUS TRACTOR + ISOBUS CONSOLE + ISOBUS PLANTER

To enable data exchange between the ISOBUS console and the ISOBUS planter, the rear ISOBUS wiring harness with the following reference number must be installed on the tractor: 10230352. A GPS antenna can be connected to the ISOBUS console in order to use the TC-SC (GPS-guided row cut-off system) and TC-GEO (variable rate control by prescription map) functions.



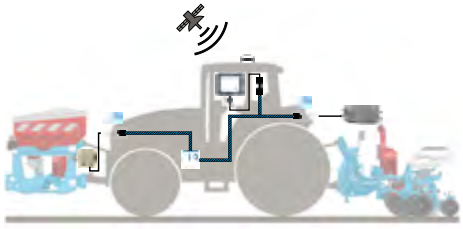
EXAMPLE 2:
ISOBUS-EQUIPPED TRACTOR + ISOBUS CONSOLE + ISOBUS PLANTER

To enable data exchange between the ISOBUS console and the ISOBUS planter, the in-cab wiring harness with the following reference number must be installed on the tractor: 10239036. A GPS antenna can be connected to the ISOBUS console in order to use the TC-SC (GPS-guided row cut-off system) and TC-GEO (variable rate control by prescription map) functions.



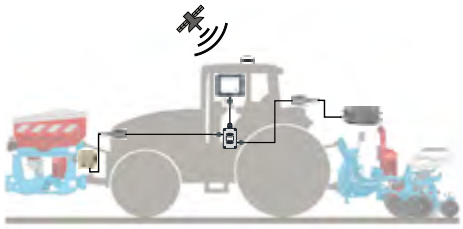
EXAMPLE 3:
ISOBUS-EQUIPPED TRACTOR + 2 ISOBUS CONSOLES + ISOBUS PLANTER

To enable data exchange between the ISOBUS console and the ISOBUS planter, the in-cab wiring harness with the following reference number must be installed on the tractor: 10239036. A GPS antenna can be connected to the ISOBUS console in order to use the TC-SC (GPS-guided row cut-off system) and TC-GEO (variable rate control by prescription map) functions.



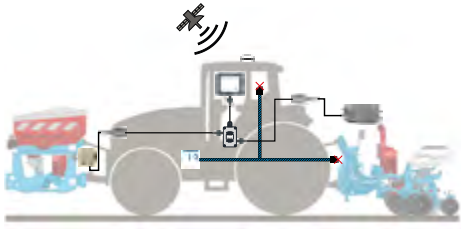
EXAMPLE 4: **TRACTOR WITH FRONT AND REAR ISOBUS + ISOBUS CONSOLE + ISOBUS PLANTER + ISOBUS FRONT-MOUNTED HOPPER**

To enable data exchange between the ISOBUS front-mounted hopper and the ISOBUS planter, the ISOBUS cables for these two equipment items must simply be connected to the tractor's front and rear ISOBUS connectors. In this case, both sets of ISOBUS software can be used on the same ISOBUS console. Planter position and speed data can be pooled to facilitate use of the front-mounted hopper.



EXAMPLE 5: **TRACTOR NOT EQUIPPED WITH FRONT OR REAR ISOBUS + ISOBUS CONSOLE + ISOBUS PLANTER + ISOBUS FRONT-MOUNTED HOPPER**

To enable data exchange between the ISOBUS front-mounted hopper and ISOBUS planter on a tractor that is not equipped with ISOBUS, the following must be installed: - a front ISOBUS wiring harness with reference number: 10230354 - a rear ISOBUS wiring harness with reference number: 10230352 - a "Front/Rear" unit with reference number: 10230335. In this case, both sets of ISOBUS software can be used on the same ISOBUS console. Planter position and speed data can be pooled to facilitate use of the front-mounted hopper.



EXAMPLE 6: **TRACTOR EQUIPPED WITH REAR ISOBUS + ISOBUS CONSOLE + ISOBUS PLANTER + ISOBUS FRONT-MOUNTED HOPPER**

In this specific instance, it is not possible to connect the Monosem front ISOBUS wiring harness to a tractor already equipped with a rear ISOBUS connector. To enable data exchange between the ISOBUS front-mounted hopper and ISOBUS planter on a tractor that is equipped with a rear ISOBUS connector, the following must be installed: - a front ISOBUS wiring harness with reference number: 10230354 - a rear ISOBUS wiring harness with reference number: 10230352 - a "Front/Rear" unit with reference number: 10230335.

THE KEYS TO SUCCESS

EXPERTISE

CHOICE
Covering all requirements with the market's most comprehensive product range. This gives you a large choice of inter-row-spacings, frames and metering units for planting all seed types. For any specific enquiries, contact our MODE (Monosem On Demand Europe) department to custom-build a planter tailored precisely to your needs.

ADVICE
Provided by a team of experienced technical sales staff who are on hand at all stages of your machine's service life, from assessing your needs to starting up your planter and delivering after-sales service.

RESPONSE TIMES
Minimized when sending your spare parts, as we are well aware of just how important it is to plant in optimal conditions.

INNOVATION
A 75-year track record of supplying products tailored to new practices.

QUALITY

TECHNOLOGIES
Tried and tested to enable simple and accurate use of machines:
- GPS-guided row cut-offs
- In-cab seed population management
- Electric drive

TESTING
Carried out meticulously at each stage of manufacturing. The metering components undergo dynamic checks in addition to systematic checks of the metering boxes.

COMPONENTS
Carefully selected to maximize the strength, precision and service life of our machines. Cast-aluminium, not plastic, is used to make our metering boxes.

RESALE
At high prices reflecting the manufacturing quality, durability of equipment, and availability of spare parts.

FOR
OPTIMAL PERFORMANCE

PRECISION PLANTING

A versatile metering system capable of planting multiple seed types with the same precision. A V-shaped furrow fixing seeds in position to retain the placement consistency managed by the metering system. Optimal planting due to equipment tailored to your planting conditions.

CONSISTENT AND RAPID EMERGENCE

Quality pressing and flawless furrow closing in all conditions, ensuring optimal germination, rapid emergence and uniform plant development.

OPTIMIZED YIELD

By choosing high-quality, appropriate equipment and using it correctly, you can ensure successful planting which leads to a successful harvest.

MONOSEM
Enhanced precision

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IMPRIM'VERT®

Monosem is committed to the environment MonoGreen