

MONOSEM

The precision Planter specialist

MECA ✓4



Mechanical planter for pelleted sugarbeet

www.monosem.com



EN

Rich with the MONOSEM experience in precision planting, the MECA V4 has been specially designed for planting pelleted seeds such as sugarbeet or chicory.

THE DEVELOPMENT OF THE MECHANICAL PLANTER

*In the early 70's, MONOSEM launched their first mechanical planter with vertical cell wheel: the **502 BR**. It's distribution system and it's balancing style metering system with shoes offered a high quality seed placement and regular depth control acknowledged by the sugarbeet growers. In 1985, the 502 BR becomes the **502 BRU** with the arrival of the universal 127 x 127 mm (5") toolbar. As from 1987, the 502 further improves with the designing of a new parallelogram : the **502 BRN** model is born.*

*In the mid 90's, the mechanical planter 502 range is replaced by the MECA range. The **MECA 2000** is the first model in the range which inaugurates a new metering box with a larger diameter disc and a reduced stock of seeds. To cut down on maintenance, the gauge wheels and the rear press wheels are equipped with ball bearings. In 2003, the **MECA 3** is fitted with a new parallelogram and the press wheel pressure is now adjustable. Since 2006, the **MECA V4** replaces the MECA 3. The new metering box is equipped with an interchangeable stainless steel insert and now has an ejector.*





SUMMARY

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The MECA V4 metering unit is equipped with a planting system with shoes. It's design offers two types of depth control: Front gauge wheel or balancing system.



« Front depth control » metering unit

On the MECA V4 « Front depth control » metering unit the depth control is done by the front wheel.



MECA V4 metering unit
Front wheel 260x100 – Front depth control



MECA V4 metering unit
Front wheels 285x65 + double discs – Front depth control

1a



1b



2



3



4



Kit for « Balancing »





1a) The clod remover clears the future planting line, removing clods or stones whilst the gauge wheel presses down the soil land controls the depth.

1b) The double discs open the furrow for an easier passage of the shoe in low till conditions. The 2 wheels ensure the depth control.

2) The shoe opens the furrow at a depth defined by the front gauge wheel (together with the rear press unit on the balancing system).

3) The intermediate press wheel, adjustable in pressure, presses the seed down into the bottom of the furrow for rapid and regular plant emergence.

4) The rear press wheel unit, made up of 2 V-wheels, closes the furrow around the seed for optimal seed germination.

« Balancing system » metering unit

On the MECA V4 « Balancing system » metering unit the depth control is done by the front wheel and the rear wheels.



MECA V4 metering unit
Front wheel 260x100 - Balancing System

g system » planting

The « Front gauge wheel » units can be transformed into « Balancing system » units using a kit which is available on option.



MECA V4 metering unit
Front wheels 285x65 + double discs - Balancing System

High quality planting demands a good distribution system. This is why MONOSEM offers all their know how in order to give you an accurate, simple and extremely reliable distribution system. This high quality manufacturing has made the MECA V4 metering system an acknowledged metering system. Today for your planting, you too can demand the MONOSEM reference.



1 Cast aluminium metering box

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



2 Replaceable insert

A stainless steel insert is fixed on the whole inner periphery of the metering box. This highly resistant and interchangeable insert ensures long life for the metering box.



3 Brush

Once the seeds are ejected from the disc, the brush cleans the holes for an always optimal selection of the following seeds.



4 Ejector

To avoid clogging of the holes, an ejector removes the seeds that may remain trapped in the holes of the disc.



5 Selection plate

The selection plate is specific to the type of seeds. Several selection plates are available for different types of seeds.



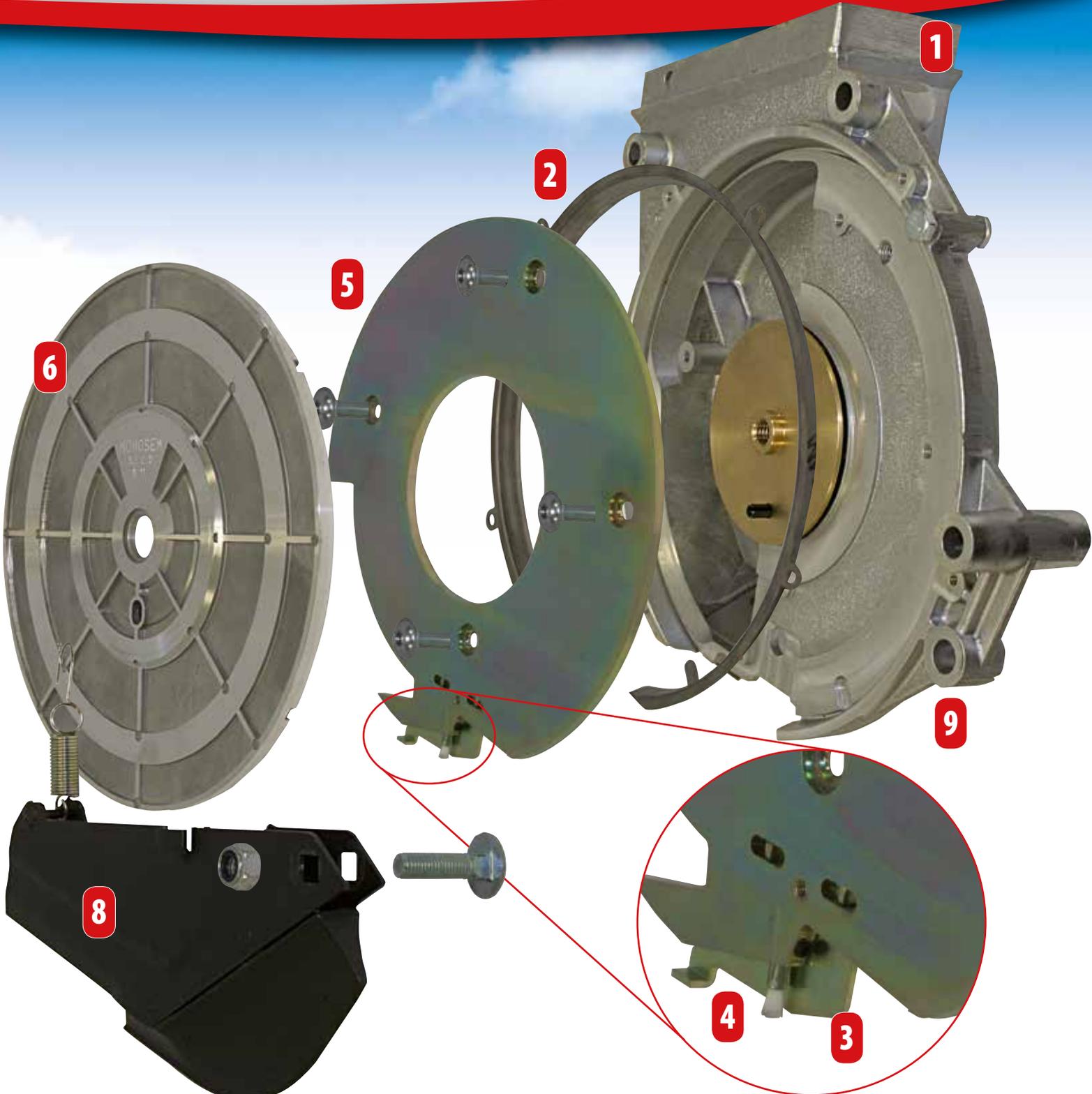
6 Disc

The distribution by vertical rotor has an internal power supply of seeds. The large diameter disc (250mm) provides exceptional placement accuracy, even at high speeds. For all sizes of standard pelleted sugarbeet and chicory seeds.



7 Protection cover

Stainless steel protection cover of the disc. It ensures the protection of the disc against clods, stones and trash.



Shoe

Planting of the seed is ensured by a shoe with interchangeable tip. Its tilting allows quick access to metering box.



Emptying

The design of the metering box needs a minimum of seeds. A hatch allows emptying of the metering box.

The MECA V4 metering unit has been specially designed for sowing sugarbeet. Constant depth control, excellent seed placement and plant emergence are the main advantages of a planter unanimously recognized by the sugarbeet growers.



Parallelogram

The heavy-duty parallel linkage with a large clearance is mounted on interchangeable bushings. For better stability of the metering unit, an additional spring with adjustable pressure is available.



Metering unit head

The MECA V4 metering unit head is equipped as standard with a manual row cut-off. The manual row cut-off can be optionally replaced by an electric clutch. Coupled to the seed monitor, it can automatically manage the row cut-off for the sprayer passages.



Front wheels

The MECA V4 metering units are mounted on ball bearings. Two types of self-cleaning front wheels can be equipped the MECA V4 metering units:

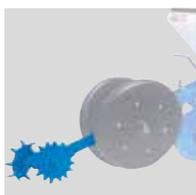
- 1 «260 x 100» wheel with adjustable clod removers for planting in conventional soil preparation conditions
- 2 «285 x 65» wheels with double disc openers for planting in trashy or superficially prepared soils



Shoe

The seed placement is ensured by a rounded shoe. The shoe tip is interchangeable. If necessary, carbide tip shoes are available on option.

COMPLEMENTARY EQUIPMENT



Crumblers for rear unit

In caked soils, crumblers can be added behind the rear press unit in order to avoid the problem of a caking crust on the planting line (not compatible with rear concave wheel).



Rear cast iron concave unit

A rear cast iron concave wheel is available on option. It is equipped with a plastic scraper. This wheel closes the furrow without pressing down too much in the middle of the planting line.



Rear cast iron concave unit with self-cleaning tyre

The rear cast iron concave wheel can be fitted with a self-cleaning tyre.



9

Depth adjustment

The depth adjustment is rapid thanks to a lever on the "Front depth control" metering unit or a knob on the "Balancing system" metering unit. The adjustment by lever offers a precise 5mm adjustment. On the "Balancing" metering units the precision of adjustment is in millimetres.



8

Hopper

The hopper in high resistance, transparent plastic has a capacity of 8 litres.



7

Rear V-press wheels

The furrow closure is provided by two V self-cleaning press wheels. Ground pressure of the wheels is adjustable. These wheels are mounted on reinforced bearings and with rounded scrapers.



6

Intermediate press wheel

Once in the ground, the seed is pressed with an independent stainless steel intermediate press wheel equipped with plastic scraper. This wheel has also a pressure adjustment and can be retracted.



5

Stand

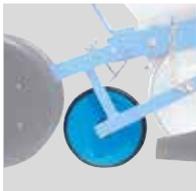
A stand on each metering unit prevents the shoe from being clogged up.



COMPLEMENTARY EQUIPMENT

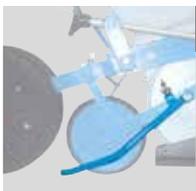
Intermediate press wheel with self-cleaning tyre

For particularly sticky soils, a press wheel with a rubber tyre can be assembled in place of the stainless steel press wheel.



Side scrapers

The side scrapers, for use in particularly hard soils which are difficult to close, enable more soil to be brought in to cover the planting line before the furrow is closed by the rear press wheel unit.



Extra pressure spring

An adjustable, extra pressure spring can be added for planting in hard or trashy soils (delivered as standard equipment with the « Front 285x65 + double disc opener » equipment).



The MECA V4 planters are equipped with the TIP 5" frame. This type of frame, together with the metering and component fixing system, offer a wide choice of assembly and equipment.

Fixing of the metering units by clamps



The metering unit fixing system by clamps enables sure and solid fixing of the metering units. If necessary the metering units can be moved so as to modify the inter row spacings by loosening the clamps. This system of fixing excludes all risks of lateral movement of the metering units during work and resists in the most difficult operating conditions.

1 Wheel units

On the MONOSEM planters, all the wheels drive the seed discs. This system ensures a smooth drive and thus a better planting precision. All the wheel units are equipped with a slip clutch for less stress on the seed discs on bends. The frames for 18-row (and over) planters are equipped with reinforced wheel units. The wheel units are proposed with narrow wheels (500x15).



Slip clutch



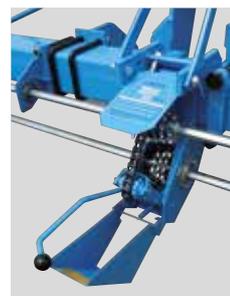
Standard wheel unit with 500x15 wheel



Reinforced wheel unit with 500x15 wheel

2 Seed spacing gearbox

The seed spacing gearbox has 18 ratios for a precise adjustment of the population. Changing the seed population is rapid. A single lever releases the chain. Then just place the required sprockets facing each other and release the lever to re-tighten the chain.



The standard seed spacing gearbox with 18 ratios gives a rapid and precise adjustment of the seed population.

€ For the electric drive, see page 19.





In order to help you adjust your seed populations, download free of charge the MONOSEM application «Planter Adjustment» available under Google Play or App Store.

Track eradicators (option)

Track eradicators with tines are available on option on the MECA V4 planters. These track eradicators exist in two widths: 0m60 and 1m00.



Platform (option)

A platform for planting control is available on option for the MECA V4 planters. This platform is 2m70 wide and is equipped with a rail.

Pre-emergence discs (option)

The pre-emergence discs enable the marking out of the sprayer passages before plant emergence. The operation of the pre-emergence disc is controlled by a seed monitor with automatic row cut-off management (please consult us).



3

Row markers

The row markers on the MECA V4 planters are equipped with discs assembled on hub with double bearings (on option on 6-row planter). This type of disc ensures a regular marking no matter what the conditions. A crown to be bolted on to the row marker disc is also available as standard equipment or on option according to the models. This crown limits the working depth of the row marker in supple soils and brings extra weight to the row markers on hard soil thus improving the marking.

According to the planter model, the row markers are single, double or triple folding.



In the standard version, the 6-row planters are equipped with manual row markers with shoes. Hydraulic row markers with discs are available on option.



The hydraulic row markers for rigid and coupled frames are single, double or triple folding according to the width of the planter (see above, row marker for 18-row rigid frame).

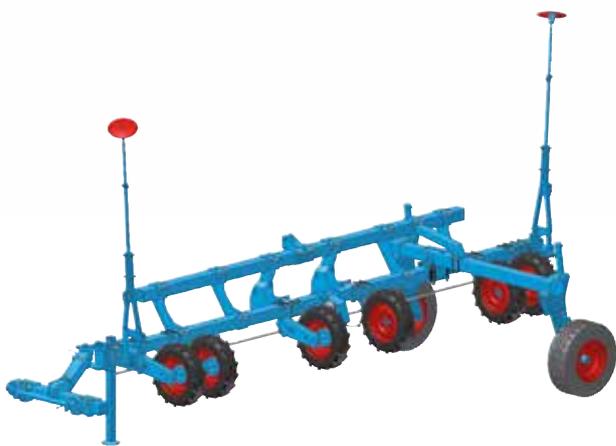


The hydraulic row markers for folding frames are equipped with a compact folding system (see above, row marker on 3-level folding frame).



The rigid Monobar frame

The rigid Monobar frame can have 3 m to 6 m 10 bar. This simple and economical frame can be equipped with 6 or 12 metering units, with or without fertilizer attachment. Its reduced overhang and its weight enable it to be hitched on to light weight tractors.



The rigid Double bar frame

The design of the rigid double bar frame makes it heavy duty and multi-purpose. The double bar authorizes a bar of up to 6 m 10 long, i.e. 12 rows. This frame can also be equipped with standard fertilizer attachments.



The rigid triple bar frame

The design of the rigid triple bar frame makes it heavy duty and multi-purpose. The triple bar means that it can be equipped with 18 metering units, i.e. a bar of up to 9 m 20 long.

18-row rigid monobar MECA V4 planter with transport carriage



Type of frame		Rigid monobar	
Length of bar		3 m 00	6 m 10
Number of metering		6	12
Inter-row spacings		45 or 50	45 or 50
Wheel units		2	4
Drive	Mechanical (Number of seed spacing gearboxes)	1	1
	Electric	○	Please consult us
Transport width (with carriage)		-	2 m 50

○ : On option - : Not possible (1) Please consult us



The coupled frame

The coupled frame is the coupling of 2 standard monobar frames. The 2 frames are supported by a double 180x180 mm bar – 9 m 00 to 12 m 00 long. This type of frame is suited to 18 or 24-row sugarbeet planters.



6-row rigid monobar MECA V4 planter with Microsem



12-row rigid monobar MECA V4 planter



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

Rigid double bar	Rigid triple bar		Coupled	
6 m 10	8 m 40	9 m 20	9 m 00	12 m 00
12	18	18	18	24
45 or 50	45	50	45 (or 50 ⁽¹⁾)	45 (or 50 ⁽¹⁾)
6	6	6	8	8
1	2	2	2	2
Please consult us	Please consult us	Please consult us	Please consult us	Please consult us
2 m 50	2 m 50	2 m 50	3 m 00	3 m 00

The transport carriages



A lengthwise transport carriage is available on option. This transport carriage may be with manual (TIP 5" frame) or hydraulic lift (TIP5" and TOP 7" frames). On the TOP 7" frames, this transport carriage is equipped on option with a hydraulic or air brake system.



24-row coupled MECA V4 planter with Microsem



The floating monobar compact folding frame

The floating monobar compact frame can be equipped with 12 rows. Its folding system at 3 m authorizes safe road transport. The floating extremities ensure a perfect following of the ground contours. Its reduced overhang and its weight enable it to be hitched on to light weight tractors.



The floating double bar folding frame

The floating double bar frame can be equipped with 12 rows. Its folding system at 3 m authorizes safe road transport. The floating extremities ensure a perfect following of the ground contours. This frame can be equipped with standard fertilizer attachments or equipment for a front-mounted fertilizer.



The three-level folding frame

The three-level folding frame can be equipped with 18 metering units. Its folding system at 3m means that it can travel safely on the road. The floating wings ensure a perfect following of the ground contours.



Type of frame

Length of bar

Number of metering

Inter-row spacings

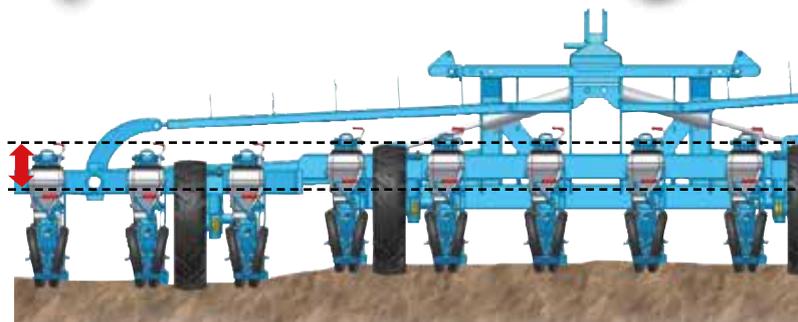
Wheel units

Drive	Mechanical (Number of seed spacing gearboxes)
	Electric

Transport width

○ : On option

A perfect following of



12-row double bar folding MECA V4 planter



12-row compact folding MECA V4 planter with Microsem



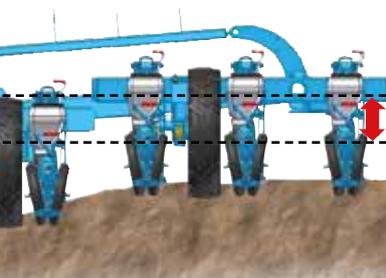
12-row double bar folding MECA V4 planter with Microsem

Compact folding frame	Double bar folding frame	Three level folding frame
6 m 00	6 m 00	9 m 00
12	12	18
45 or 50	45 or 50	45 or 50
4	4	8
3	3	3
○	○	○
3 m 00	3 m 00	3 m 00



18-row three-level folding MECA V4 planter

ground contours

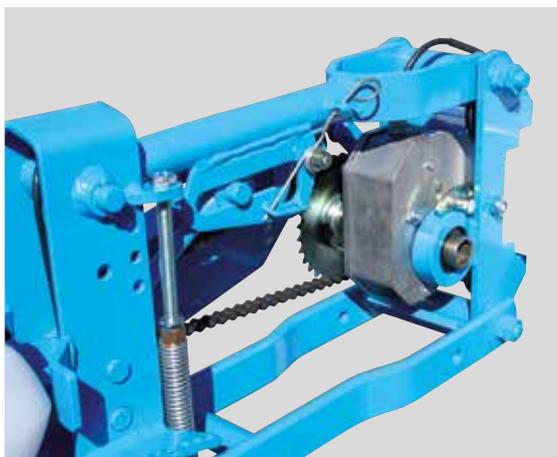


The compact folding, double bar folding or three-level folding frames have independent wings with wheel units. This characteristic allows for a perfect following of the ground. At the field ends or to finish off a field, it is also possible to lift one or other of the wings (or the 2) thus automatically stopping the metering.



Three level folding MECA V4 18-row planter being transported

The row cut-offs allow for an individual declutching of each metering unit from the tractor cab. The control box operates the electromagnetic clutches situated on the metering units. Several types of control systems are proposed.



Electromagnetic clutch on MECA V4 metering unit



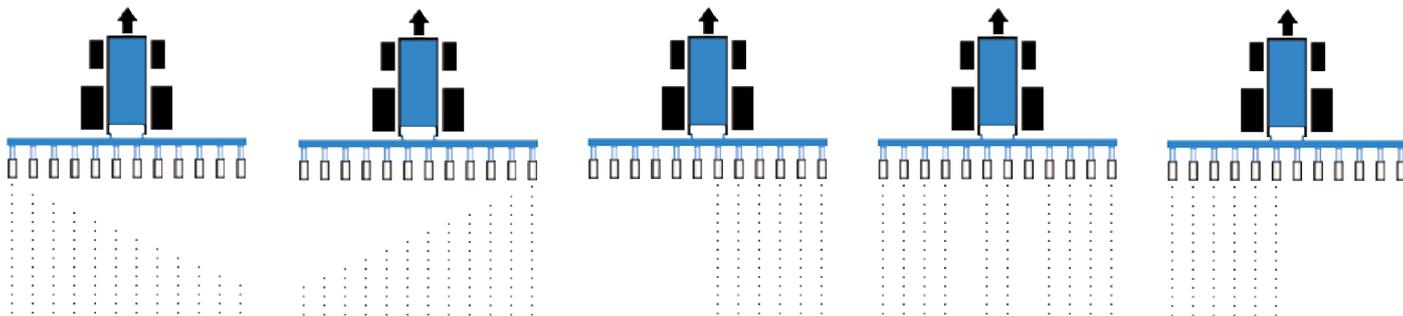
Electromagnetic row cut-off system with manual control



The electromagnetic row cut-off systems with manual control enable an individual declutching of each metering unit from the tractor cab. Each row is equipped with a rotation control light. This system is available in 2, 4, 6, 8 and 12 rows.

CS 5000 seed monitor and ECU S7000 with row cut-off system

The CS 5000 seed monitor and the ECU S7000 can be equipped on option with the row cut-off system. In this case, the metering unit declutching control is made via the monitor unit. The CS 5000 seed monitor and the ECU S7000 are also equipped with the automatic tramline function.



Examples of row cut-off systems

Automatic row cut-off by GPS

The new technologies, such as row cut-off by GPS, bring more comfort at work and enables better work precision. This technology is not exclusively for users of new planters: MONOSEM has also developed a system compatible with planters in service.

1 Compatible with ISOBUS Terminal:

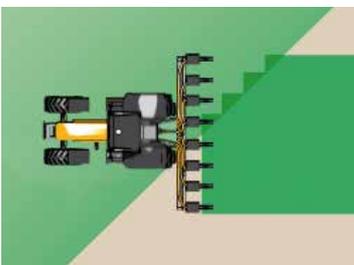
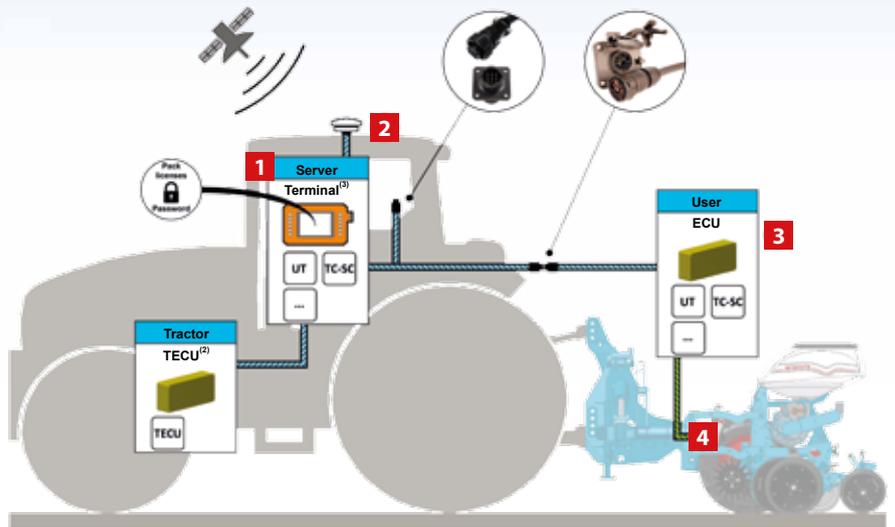
- TOUCH Mini Terminal
- TOUCH Terminal
- or the tractor's one if it is compatible

2 GPS antenna

3 ECU (Electronic Control Unit)

- ECU S7000C or S7000H
- ECU S8000E

4 Electromagnetic declutching mounted on each metering unit (except on planters with electric drive)



- The row cut-off systems are activated automatically according to the GPS position and the desired degree of overlap.
- Cross-overs are limited.

- **Saving on seeds**
- **Ease of use**



Specialists in precision planters, MONOSEM offers a wide range of seed monitors from the simple checking of the seed drop to the counting with indication of the distance between seeds. MONOSEM has also ISOBUS solutions for seed population control or automatic row cut-off by GPS.



CS 10



CS 30 Classic



CS 30 Comfort



CS 5000



TOUCH Mini



TOUCH

NEW

Functions	CS 10	CS 30 Classic	CS 30 Comfort	CS 5000	ECU ISOBUS	
					ECU S7000	ECU S8000E
Seed drop control row by row	●	●	●	●	●	●
Alarm if no seed	●	●	●	●	●	●
Stop alarm	●	●	●	●	●	●
Alarm programmable threshold	-	●	●	●	●	●
Working speed by sensor	●	●	●	●	-	-
Working speed by radar	-	○	○	○	●	●
Surface counting	-	●	●	●	●	●
Average population	-	○	●	●	●	●
Distance between seeds	-	○	●	●	●	●
Manual row cut-off	-	-	-	●	○	●
Programmable row cut-off	-	-	-	●	○	●
Automatic row cut-off by GPS	-	-	-	-	○	○
Maximum number of rows	16	18	18	18	12 - 24	24
ISOBUS	UT	-	-	-	●	●
	TC-BAS	-	-	-	-	●
	TC-SC	-	-	-	-	○
	TC-GEO	-	-	-	-	-
	Terminal	-	-	-	-	TOUCH Mini - TOUCH
Seed population control	-	-	-	-	○ Hydraulic	● Electric

● : Standard ○ : On option - : Not possible



The seed monitor sensors are placed under the metering boxes, inside the shoes. A beam of light enables the control of the seed passage, even the smallest seeds.

Seed-Drive hydraulic control

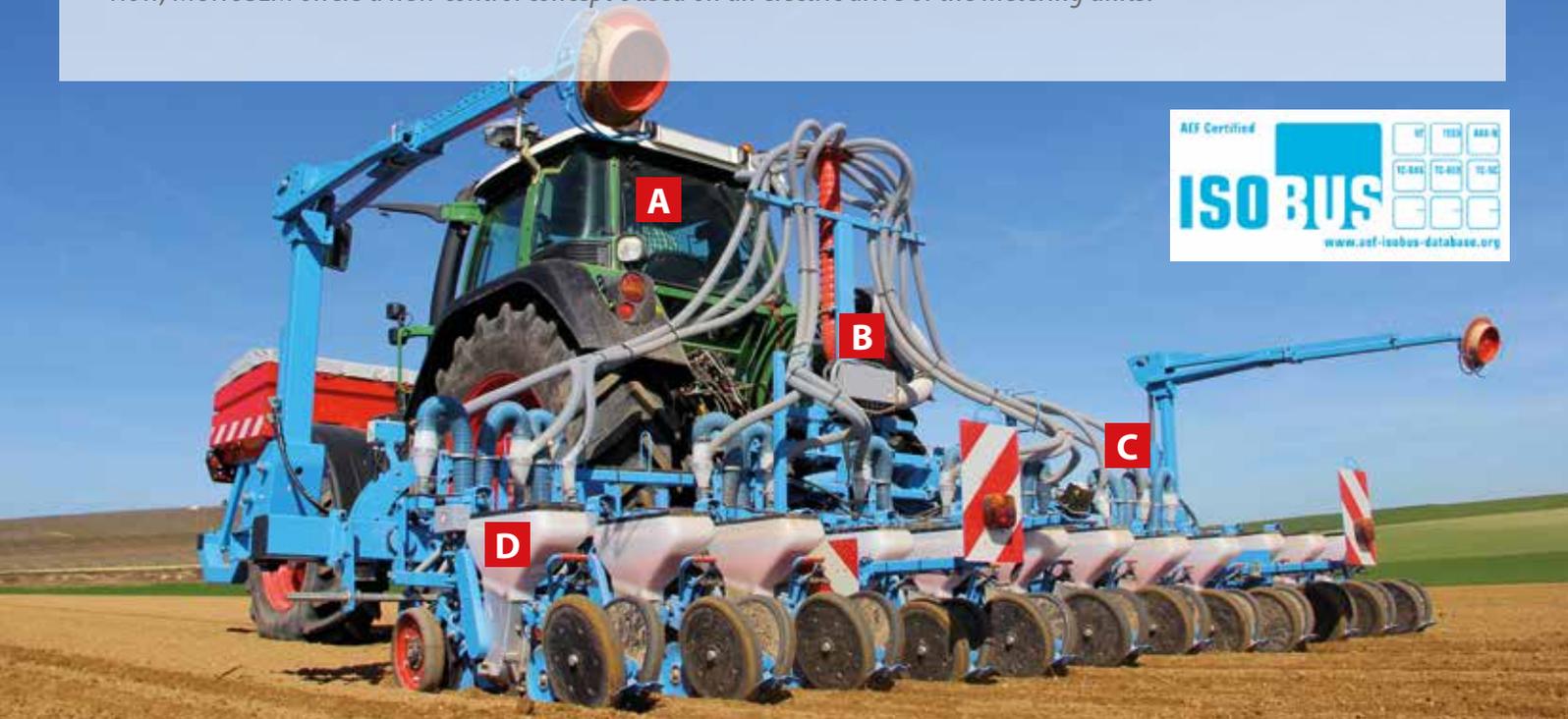


The SeedDrive hydraulic control of the seed population replaces the planter seed spacing gearbox(es) by several hydraulic motors which drive the seed discs. This system offers the possibility of non-stop modulating of the seed population directly from the tractor cab with the TOUCH Mini or TOUCH terminal or another ISOBUS compatible terminal.

THE ELECTRIC DRIVE

Proposed for almost 10 years, the seed population management from the tractor cab was based on the Seed-Drive hydraulic control.

Now, MONOSEM offers a new control concept based on an electric drive of the metering units.



A Terminal

- Use of the TOUCH, the TOUCH Mini or the tractor terminal (if it is compatible).
- Control of the seed population from the tractor cab.
- Automatic row cut-off by GPS (if the terminal is linked to a GPS antenna).

B ECU Module

- Manages the seed population control.
- Communicates with the terminal according to the international standard ISO BUS.
- While using the tramline function, it is possible to manage the overpopulation on the nearby rows.

C Radar

- Measures the real working speed (No slipping).
- Enables a better seed population precision.

D Metering units with electric drive



1 Electric motor

- One motor for each metering unit.

2 Drive by notched belt

- Maintenance-free.
- Takes up little space (enables all inter-row spacing possibilities).
- Electric motor placed in an elevated position and so protected from shocks and dust.

3 Photoelectric sensor

- Controls the seed drop and the distance between the seeds.

Standard fertilizers or front-mounted hoppers, with MONOSEM you can choose the fertilizing system the best suited to your planting conditions. For liquid fertilizing, MONOSEM calls on specialists.



STANDARD HOPPER

On the MECA V4 planters, MONOSEM proposes standard plastic hoppers with a capacity of 175 litres with 3 outlets. They are assembled on rigid frames (6 and 12 rows), folding double bar frames (12 rows) and coupled frames (18 rows).

FRONT MOUNTED HOPPER



The front mounted MONOSEM hopper has been specially designed for fertilizer applications. The sturdy frame with integrated cradle and the 100 % stainless steel distribution unit indicate the care that is applied to manufacture. This hopper is available with capacities of 1000 L or 1600 L, the turbofan being driven by PTO or hydraulic motor. This fertilizer has a stainless steel metering system and an electric drive for a rapid adjustment of the quantity of fertilizer to be distributed. This can be assembled on 6 or 12-row MECA V4 planters with rigid or double bar folding frames. The front mounted hopper is multi-purpose and can be mounted on a cultivator for fertilizing whilst cultivating.

Stainless steel distribution system

The 100% stainless steel metering system of the front-mounted fertilizer has a closing trapdoor and can be rapidly disassembled.



Electric drive of the distribution

On the Standard front-mounted hoppers with electric drive, the quantity of fertilizer is managed from the tractor cab via the ECU F800E and the ISOBUS touch terminal (TOUCH or TOUCH Mini). The front fertilizers with electric drive have an easily-removed and without tools dosing wheel and metering anticipation function.



Cyclones



The cyclones assembled opposite each metering unit allowing the fertilizer drop by gravity and thus limiting the dust forming due to the pulsed air.

	Standard hopper	Front-mounted hopper
Capacity (number of rows at 45 or 50 cm)	2 x 175 litres (6 rows) 4 x 175 litres (12 rows) 6 x 175 litres (18 rows)	1000 litres (6 or 12 rows)
Mini/maxi output at 50 cm with standard output auger	120 to 525 kg/ha	Output according to the quality of the fertilizer
Mini/maxi output at 50 cm with high output auger	240 to 1050 kg/ha	
Type of frame	Rigid monobar Rigid double bar Coupled	Double bar folding frame
Big-Bag loading	No	Yes

Adjustment of the fertilizer

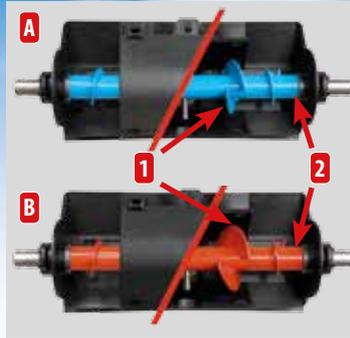


The adjustment of the quantity of fertilizer metered when planting is made using a gearbox with 12 ratios. The chart delivered with the fertilizers enable a rapid adjustment of the quantity metered.



In order to help you to adjust your fertilizer attachments, download free of charge the MONOSEM application «Planter Adjustment» available under Google Play or App Store.

Distribution by auger



The metering by auger (1), associated with agitators (2), ensure a regular dosing of the fertilizer. These augers in stainless steel are proposed with different pitches to meter exactly the required quantity. The « Standard » augers (A) in blue are for fertilizer metering from 120 to 525 kg/ha for an inter row spacing of 50 cm. The « High output » augers (B) in red have a larger pitch and are for fertilizer metering from 240 to 1050 kg/ha for an inter row spacing of 50 cm.

Fertilizing unit for solid fertilizer



Several types of fertilizing systems are proposed for distributing solid fertilizer:

- with tines (3)
- with double discs (4)

The fertilizing unit with tines has an interchangeable tip. The fertilizing unit with discs is more versatile and better suited to low till conditions with trashy soils. The units have a safety system with spring and depth control adjustment.

LIQUID FERTILIZING



Equipment for liquid fertilizing can be fitted to the MECA V4 planters. For this, we entrust specialists in liquid fertilizing.

Liquid fertilizer equipment



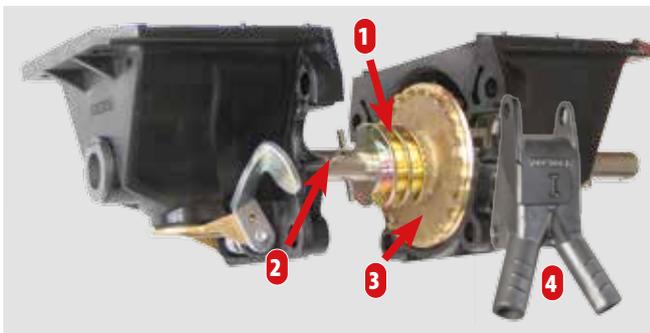
For liquid fertilizing, two types of equipment are available:

- Simplified tines for liquid fertilizing (5)
- Double discs for liquid fertilizing (6)

The Microsem system with auger ensures a regular metering of microgranules. Its simple design enables an easy and reliable use. Multi-purpose, the Microsem is compatible with the majority of microgranulate products on the market.



Insecticide Microsem



Distribution by auger

The principle of the Microsem distribution is based on a system of auger. The microgranules contained in the hopper are picked up by 2 augers (1). The agitators (2) allow for a regular feed of these augers. A finger wheel (3) then distributes uniformly the product in the chutes (4). Different auger pitches are available for specific products.

Adjustment of the Microsem

Adjustment of the microgranulators is made using a gearbox with 18 ratios. If needed, other sprockets are available and also a rapid declutching system. The adjustment chart delivered with the Microsem enables a rapid adjustment of the quantity of product. As standard, the insecticide Microsem authorizes quantities of 5 to 37 kg/ha on a planter with 50 cm inter row spacings.

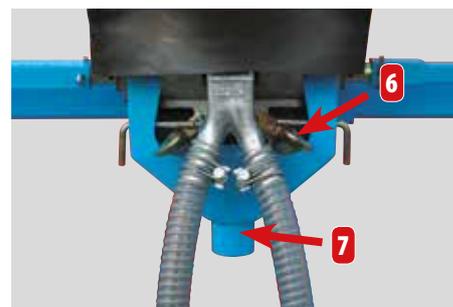


Chutes

The Insecticide Microsem chute (5) is placed between the shoe and the press wheel for product supply in the planting line.



Emptying of the hoppers



The capacity of the Microsem hoppers is 20L. The trapdoors (6) and the chute (7) allow for a simple and quick emptying of remaining product.



In order to help you to adjust your Microsem attachments, download free of charge the MONOSEM application «Planter Adjustment» available under Google Play or App Store.

TECHNICAL FEATURES

PLANTER TYPE MECA V4

Frames		Rigid frames					Folding frames			Coupled frames	
		Mono bar		Double bar	Triple bar		Compact folding	Double bar folding	Three level folding		
Width		3 m 00	6 m 10	6 m 10	8 m 40	9 m 20	6 m 00	6 m 00	9 m 00	9 m 00	12 m 00
Transport width (with transport carriage)		3 m 00 -	6 m 10 (2 m 50)	6 m 10 (2 m 50)	8 m 40 (2 m 50)	9 m 20 (2 m 50)	3 m 00 -	3 m 00 -	3 m 00 -	9 m 00 (3 m 00)	12 m 00 (3 m 00)
Number of rows		6	12	12	18	18	12	12	18	18	24
Inter-row spacings (cm)		45 or 50	45 or 50	45 or 50	45	50	45 or 50	45 or 50	45 or 50	45 (or 50) ⁽¹⁾	45 (or 50) ⁽¹⁾
Tyres		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)	8 x (500 x 15)	8 x (500 x 15)	8 x (500 x 15)
Drive	Mechanical (Number of seed spacing gearboxes)	1	1	1	2	2	3	3	3	2	2
	Electric	○	Please consult us	Please consult us	Please consult us	Please consult us	○	○	○	Please consult us	Please consult us
Hydraulic row markers		○	●	●	●	●	●	●	●	●	●
Standard fertilizer		○ 2 x 175 l.	○ 4 x 175 l.	○ 4 x 175 l.	-	-	-	○ 4 x 175 l.	-	○ 6 x 175 l.	-
Front fertilizer		○	○	○	-	-	-	○	-	-	-
Microsem Insecticide		○	○	○	○	○	○	○	○	○	○
Hectare counter		○	○	○	○	○	○	○	○	○	○
Seed monitors		○	○	○	○	○	○	○	○	○	○
Lighting kit		○	○	○	○	○	○	○	○	○	○
Integrated transport carriage		-	○ TIP 5"	○ TIP 5"	○ TIP 5"	○ TIP 5"	-	-	-	○ TOP 7"	○ TOP 7"
Weight planter only		800 kg	1600 kg	1750 kg	2700 kg	2800 kg	2000 kg	2200 kg	3500 kg	3400 kg	4300 kg

● : Standard ○ : On option - : Not possible (1) : please consult us.

For other models, special inter-row spacings and other crops, please consult us.

MECA V4 METERING UNIT EQUIPMENT

Technical Features	Standard type	Balancing system
8L hopper	●	●
Seed discs (5,5E5) and (5,7E5)	●	●
Front self-cleaning 260 x 100 wheel	●	●
Double-disc openers with side wheels	○	○
Balancing system kit for planting	○	●
Additional spring	○	○
Intermediate steel press wheel	●	●
Intermediate press wheel with self-cleaning tyre	○	○
Side scrapers	○	○
Rear V press wheel unit	●	●
Rear cast iron concave unit	○	○
Rear cast iron concave unit with self-cleaning tyre	○	○
Crumblers for rear unit	○	○

For other models, special inter-row spacings and other crops, please consult us.

● : Standard ○ : On option

MECA V4 SEED DISCS

Type of seed	Standard discs delivered	Number of cells	Cell width	Distances on the row (standard seed spacing gearbox)
Sugarbeet	5,5E5 and 5,7E5	5	5,5 and 5,7 mm	12 to 25 cm
Chicory	4E10	10	4 mm	6 to 12,5 cm
Rapeseed (1)	2,8C14	14	2,8 mm	4,5 to 9 cm

(1) : Please consult us



Re-sale value

The re-sale value gives a good indication of the quality of a product and its suitability to the market. So when you decide to sell your MONOSEM planter, you will appreciate its high re-sale value.

MONOSEM quality

The quality has always been a main concern of MONOSEM. This is why when manufacturing the greatest care is taken in the quality control of the products.

Advice

The MONOSEM partners are specialists qualified to inform you on planting and help you out with solid advice.

The experience

Throughout the world, quality and reliability are often associated with MONOSEM. This is the result of a certain know-how gained in over 70 years of experience in agriculture.

Spare parts

Our spare parts department have available a large stock of original spares and accessories. So even after several years you will be sure to find the parts you require at your MONOSEM partners.



Multi-purpose pneumatic Monoshox NG Plus M planter with discs

Multi-purpose pneumatic NG Plus 4 planter with discs

Special pneumatic « low-till » planter Monoshox NX M with discs

Multi-purpose pneumatic planter with NC shoes

Special vegetable planter for mini-seeds MS

Mechanical planter for pelleted sugarbeet MECA V4

SCD and Multicrop cultivators



MONOSEM

The precision Planter specialist

Distributor

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All the data concerning the equipment, the general appearance, the weight and dimensions are current at the date of printing and vary according to countries. They may be modified without previous notice. This brochure cannot be considered as a binding document. Your Monosem partner will not hesitate in informing you of any possible changes.

In order to illustrate this brochure, certain safety housings and mechanisms may have been removed.

Apart from this particular case and complying with the recommendations in the manual, these must remain fitted.

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