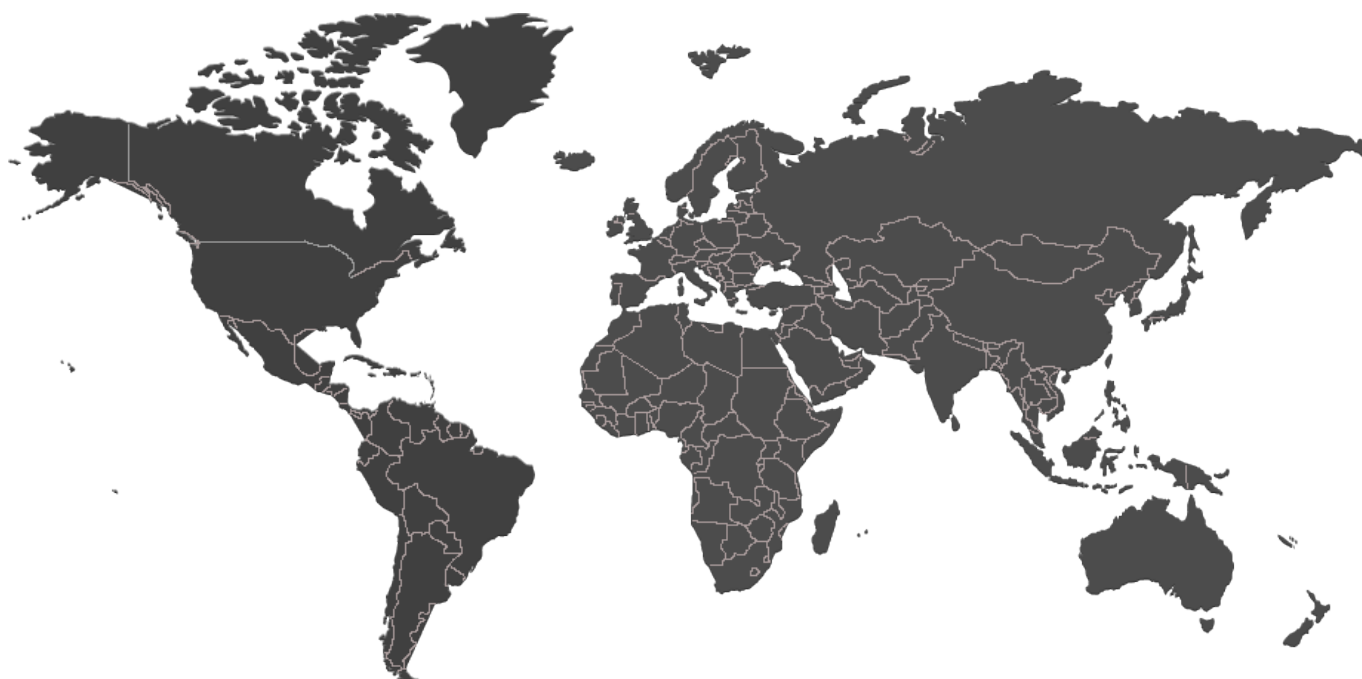


# PRECISION PLANTERS PRICE LIST





# COMMERCIAL ORGANIZATION



## SALES BACK OFFICE

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Company with certified quality and safety system  
**ISO 9001 : 2015 - ISO 45001 : 2018**



*MaterMacc*

# GENERAL CONDITIONS OF SALE

## 1. CONTRACT REGULATIONS

1.1 These Terms and Conditions, notwithstanding any exceptions specifically agreed in writing, govern all present and future contracts of sale between the parties. Any terms and conditions of the Buyer will not apply unless expressly accepted in writing; in this case, however, notwithstanding a written waiver, they will not exclude the effectiveness of these General Conditions, with which they must be coordinated.

1.2 Except where expressly specified "Can be supplied separately", each accessory code shown in this document is to be considered as supplied in association to the order of a machine code. Where expressly specified with the words "Can be supplied separately", the accessory code shown in this document can be supplied either at the same time as the order for a machine code or by its own. In any case, except for written exceptions, where expressly specified with the wording "Can be supplied separately", the accessory code will be supplied in separate packaging, not installed on the machine.

1.3 With reference to any commercial terms (Ex Works, FOB, CIF, etc.) these are in accordance with the conditions of the Incoterms of the International Chamber of Commerce, in force at the time of conclusion of the Contract.

1.4 In the case of international sales, all sales contracts between the parties, as well as these Terms and Conditions are governed by the United Nations Convention on Contracts for the International Sale of Goods, signed in Vienna on 11 April 1980 and for matters not governed by the Convention, by Italian law.

1.5 The acceptance of a contract by the Buyer, executed in any way, entails adherence to these General Conditions. In the event that the Seller has issued, even after the conclusion of the contract, a confirmation of order or sale, any additional or amending terms to the Contract contained in the confirmation of order or sale will apply provided that the Buyer does not present a prompt written objection.

1.6 Without prejudice to the provisions of Article 1.5 above, any changes in the terms of this Contract are to be agreed in writing.

## 2. TERMS OF DELIVERY

2.1 The terms of delivery agreed upon by the parties apply from the date of the written confirmation of the order approval, are purely indicative and are not binding for the Seller.

2.2 Any delay due to force majeure (as defined in Article 8) is not attributable to the Seller.

2.3 Any compensation for failure or delay in delivery of the Products is expressly excluded.

2.4 In case of revocation of the order by the Buyer, the Seller is entitled to compensation to cover any resulting damages. In this case the Buyer will pay to the Seller the agreed price at the agreed time.

## 3. RETURNS AND SHIPMENT - PROPERTY RIGHTS

3.1 Unless otherwise agreed, the supply of Products will be Ex Works, even when it is agreed that the shipment or any part of the shipment is the responsibility of the Seller.

3.2 The risks will pass to the Buyer upon delivery of the Products to the first carrier at the Seller's plant.

3.3 Any claims relating to the packaging, quantity or appearance of Products (apparent defects) must be notified to the Seller, under penalty of forfeiture, by a noted reservation on the transport document on receipt of the Products; the transport document with the reservation must be submitted by fax to the Seller within 24 hours. Any claims relating to defects which cannot be detected through careful inspection upon receipt of the product (hidden defects) must be notified to the Seller by registered letter with return receipt, under penalty of forfeiture, within 8 days from the date that the defect is identified and in any event no later than ninety days from delivery. The claim must specify the defect and the Products to which it relates.

3.4 It is understood that any claim or dispute will not give the Buyer the right to return the Products without prior approval of the Seller, or to suspend or delay the payment of the disputed Products disputed, nor, much less, other supplies.

3.5 The Products will remain the Seller's property until full payment has been received. In the case of international sales, the property rights also extend to Products incorporated in manufactured goods using the products, as well as the price obtained from the sale of the same, to the extent permitted by the law of the country in which the Buyer resides, which governs this clause.

## 4. PRICES

4.1 The price of the products will be that imposed by the Seller at the time of shipment of the Products. Unless otherwise agreed, prices are ex works, including normal packaging. Unless otherwise agreed in writing, special packaging requested by the Buyer, insurance, transportation, and any other benefit or cost accessory are not included.

4.2 All prices are exclusive of VAT, any taxes or fees as well as charges of any kind which may be levied on the contract.

## 5. PAYMENT TERMS

5.1 Payment must be made within the terms and in the currency agreed. In case of late payment with regards the agreed date, the Buyer will pay to Seller, without the need for a formal notice to the Buyer, interest at a rate equal to 3-month Euribor, plus five percentage points, from the day on which the payment was due. Any delay of payment by more than 15 days will give the Seller the right to terminate the Contract, with the right to demand the return of the Products supplied, at the expense of the Buyer, notwithstanding compensation for damages.

5.2 The Buyer is not entitled to make any deduction from the agreed price, unless prior written agreement with the Seller has been forthcoming.

## 6. WARRANTY

6.1 Matermacc brand products are guaranteed against any non-conformity/defects for a period of 12 months from delivery to the customer. During this period, the parts which MaterMacc S.r.l. recognizes as faulty will be replaced or repaired free of charge, excluding the cost of labour required for the work.

6.2 Warranty does not cover wear and tear (for example: belts, fans or mechanical parts connected to or working in contact with the ground)

6.3 Modifications or repairs carried out by parties other than the manufacturer or authorised workshops and the use of non-original spare parts will invalidate the warranty.

6.4 MaterMacc S.r.l. is not responsible for any damage to persons and things caused by negligence or carelessness in use; improper use (including failure to comply with the product documentation); accidents; insufficient maintenance.

6.5 Dealers and users shall not be entitled to claim any compensation from the manufacturer for any damage they may suffer (labour costs, transport, faulty work, direct or indirect accidents, loss of earnings, etc.) caused by what is mentioned in points 6.2, 6.3 and 6.4.

## 7. FORCE MAJEURE

7.1 Either party may suspend its contractual obligations if these become impossible or unreasonably burdensome due to circumstances beyond its control such as, strikes, boycotts, lockouts, fire, earthquake, flood, war (whether declared or not), civil war, riots, revolutions, requisition, embargo, energy interruptions, delays in delivery of components or raw materials.

7.2 Should the suspension due to the prediction mentioned in Section 7.1 be longer than 120 days, either party will have the right to terminate this Contract following communication to the other party in writing.

## 8. SETTLEMENT OF DISPUTES

8.1 For any dispute, the courts of jurisdiction are those of Bolzano.

## 9. INFORMATION PURSUANT TO ARTICLE 13 Legislative Decree 196/2003

9.1 Pursuant to Legislative Decree 196/2003 Data Protection Act, your data will be processed and disseminated, in the field of taxation and accounting, for the fulfilment of legal obligations. This data will be processed in paper form and/or on magnetic media, electronic, online and may be disclosed to our network of agents, lenders, collection companies and credit insurance, professionals and consultants, operators in the transport sector. For further information go to [www.matermacc.it](http://www.matermacc.it).



## Dealers warranty claim procedure (1 year)

In order to comply with the MaterMacc S.r.l. Machinery Warranty Policy the dealer / retailer shall conform to the following claim-submitting procedures:

**a)** Check the date when the problem was discovered is within MaterMacc S.r.l.'s warranty period. (within a year from the invoice date to the end user). In the event that the equipment remains in stock of the customer/dealer beyond 24 months, after the indicated time the 12-month warranty will be activated automatically.

**b)** Identify the type of damage or assess whether the cause of the failure is to be attributed to a construction defect of the machine components or its non-compliant use; in this last case there is no ground for a warranty claim.

Once points **a)** and **b)** have been checked, proceed as follows:

**c)** No later than 15 days from the date on which the problem emerged, issue the guarantee request (WARRANTY CLAIM) according to the appropriate computer module form that must be sent to [service@matermacc.it](mailto:service@matermacc.it) completely filled out in all its parts, in case otherwise, the request is canceled. **d)** Pictures shall be attached to the claim to prove the type and entity of the damage.

**e)** NO orders for warranty spare parts shall be sent by claimer to MaterMacc S.r.l. parts dept. The claim form shall be enough to activate the urgent shipment of required parts.

**f)** If the end user urgently needs parts, the dealer may supply him immediately with the codes and original spare parts from his stock, asking Matermacc S.r.l. to replace them straight away and using the warranty claim form; in this case the previous points **a), b), c), d), e)** must always be complied with.

a) Once the warranty claim is received, MaterMacc S.r.l. will check its validity basing on the information provided by claimer in the duly filled-in form and attachments (photographs, reports) and will confirm in writing if the claim has been fully, partially accepted or refused.

The parts requested under warranty are supplied and invoiced before the defective parts are returned by claimer for inspection: MaterMacc S.r.l. uses this method when long time is needed to better evaluate doubtful claims. The claimer shall send back the defective parts within and not later than 60 calendar days from supplier's replacement parts invoice date.

Upon receipt of parts and / or components from our customers, should they be partially or totally accepted as guarantee items, our After Sales Service Dept. will give its consent to the accounting department for the relevant credit note within 30 days.

### Note:

The handling costs of warranty parts should be paid by the Dealer.

Labour costs and any other expense related to repair will not be refunded by MaterMacc S.r.l.

In case f), following an unjustified warranty claim rejected (partially or totally) by MaterMacc S.r.l. After Sales Department, the Dealer should issue an invoice to the end customer and refill his warehouse at his own expense with MaterMacc S.r.l. original spare parts.

**For reasons of graphic layout and clarity, some of the pictures and images do not show the mounted "CE" protections. The technical data and models presented in this catalogue are not in any way binding. We reserve the right to change specifications without prior notice.**

### MACHINES FIELD SET-UP

CODE	DESCRIPTION	PRICE (€)
<b>.MC1</b>	Field set-up for all models except MS ELEKTRO	<b>430,00</b>
<b>.MC2</b>	Field set-up for MS ELEKTRO (Applies only in Italy). (Contact the supplier to define price in any other country)	<b>1.500,00</b>

### Note:

The dealer shall give the person responsible for MaterMacc technical assistance service a minimum of 10 days' notice. The specified tariff does not include the reimbursement of travel and accommodation expenses (2.00 €/ Km for journey there and back + eventual room and board). Additional materials and services to what is strictly necessary for the machine field set-up are not included in the price. The machine must be found mounted to the tractor with all systems, electrical, electronic and hydraulic, also connected and ready for use and the implement preconfigured according to the dealer's experience. Any extra operation to pure field set-up goes beyond the price list above and will be invoiced €/hour.

MaterMacc S.r.l. offers at his own premises a free product training course addressed to all its dealers and concerning the machines that are equipped with ISOBUS system. This training course is compulsory and is aimed at providing the dealer with all necessary knowledge in order to autonomously perform the machine field set-up and in order to deal with the after-sales processes of the machines equipped with ISOBUS system.

The ISOBUS training course is offered free of charge to the dealer one-off. The dealer will then internally manage the training of the staff hired after the course has been held by MaterMacc S.r.l. Any other instructional intervention carried out by MaterMacc, even by telephone or electronic means, will cost 200 €.

If the dealer or final consumer find it necessary for a MaterMacc technician to be there, the same fee as for .MC1 will be applied, if the dealer has not attended the mandatory courses, the fee for the deployment of the MS Elektro will be .MC2.

# PRECISION PLANTERS

**Do you have a planter in mind? MaterMacc has the right one ready for you!**



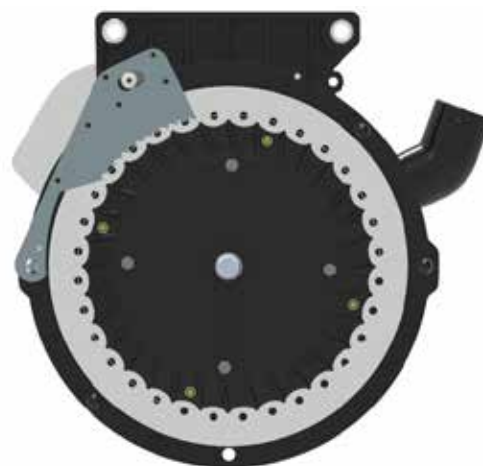
The beating heart of every precision planter is the distributor. MaterMacc was the first company to use high quality nylon polymers with fibreglass for the main components. This design guarantees long life operation and resistance to deformation, tear and wear. The company's belief is that, besides being at the cutting

edge of technology, equipment must be durable. To this respect, the quality of materials is essential. This manufacturing principle extends to all components to grant a great structural sturdiness allowing a lower weight to become more efficient while reducing input costs.

## **Some of the latest innovations on the distributor:**



The 360° seal reduces friction against seed-plate thus significantly reducing rotational torque. This features allows to improve suction performance while reducing wearing and maintenance.



Seeding disc with integrated agitator: the stirring up action improves seeds pick-up onto the holes, even at a higher speed, protecting seeds from damages with no influence to the range of crops which can be planted.

# PRECISION PLANTERS

The proof of the reliability of our distributors... whenever!



Each distributor is individually tested by a special machine to make sure that all parameters are respected (vacuum operation, tollerances, torque etc). If the test is succesfully passed, a sticker will be put on the distributor to certify quality control.



The sticker shows the code to crearly identify the production batch. This is very important particularly in the case of after-sales activities. For MaterMacc it is essential that each planting unit perfectly works.



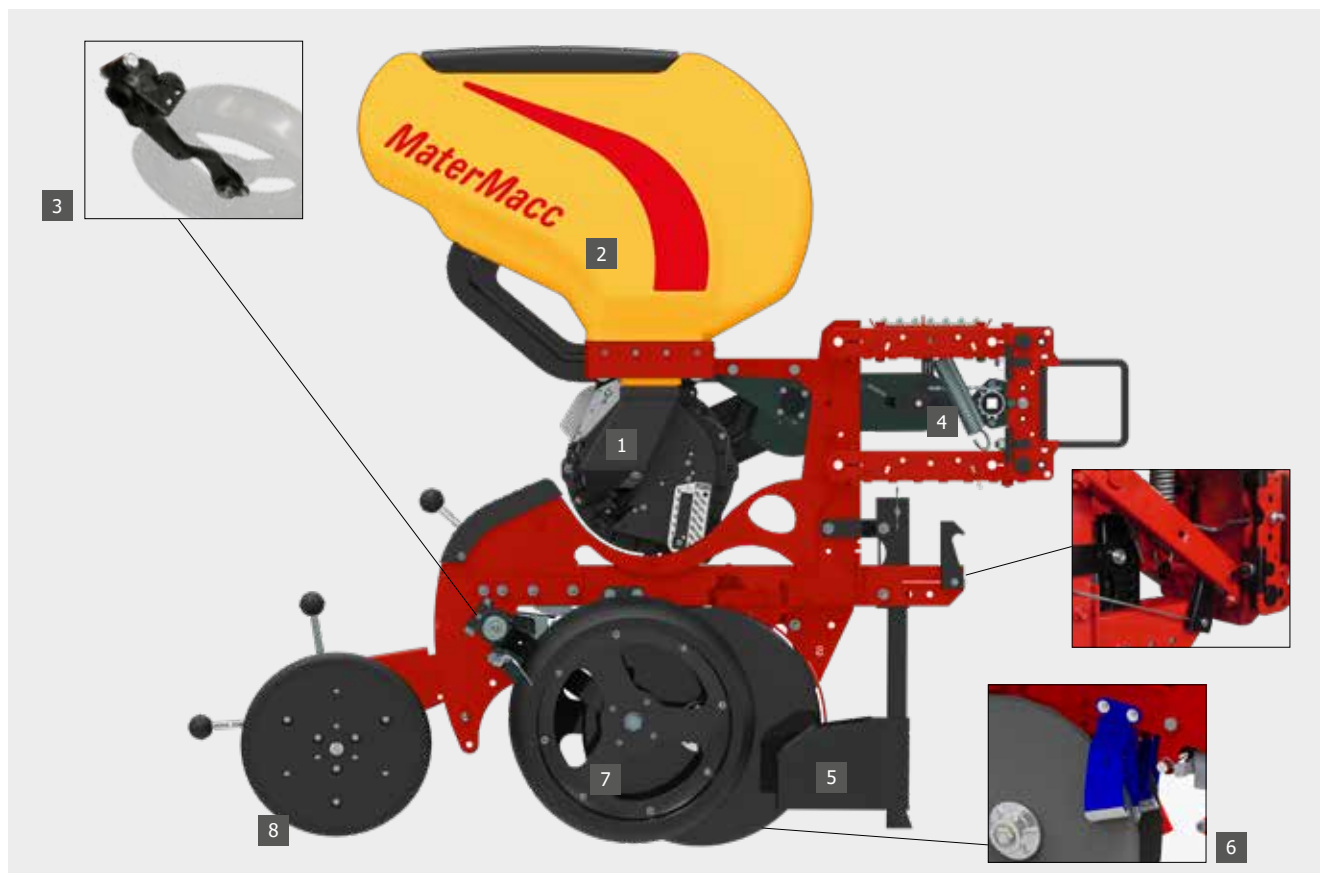
A few simple adjustments are needed to make the distributor perform at its best. The set-up is made according to shape and size of seed.



Once the adjustments are properly made, the Magicsem Plus distributor will take care of granting sowing precision and consistency.

# MS8000 EVO

This is the right planting unit for professional end users or contractors



- |                   |   |  |  |
|-------------------|---|--|--|
| 1 MagicSem Plus   | 3 Quick-Set gauge wheels adjustment with integrated scraper | 5 Clods pusher                                       | 7 Spoked side gauge wheels                       |
| 2 50 L. seed tank | 4 Oversized spring with downforce up to 140 kg              | 6 Double scraping system with anti-wearing Vidia tip | 8 V Cover wheels with four different regulations |

## 8000 EVO seeding unit

The EVO series features a seeding unit specially designed to work at speeds of between 6 km/h and 12 km/h, while retaining its compact, sturdy and lightweight design.

### Highlights

- Press-folded and bolted-on structure of parallel linkage arms for optimal shocks absorption
- High-quality, heavy-duty bearings to resist both vertical and axial stress with a 6 lips sealing system to protect hubs from contamination of dust and debris
- Minimum row spacing down to 27 cm with narrow side gauge wheels
- V closing wheels with four different adjustments: down-pressure, working-angle, spacing and the offset /staggered arrangement
- Optional configuration to adapt the planting unit to all soil textures



## OUR TRANSMISSIONS

## Mechanical or electric transmission at the service of precision farming



Results Summary: **TC** (Total Cholesterol), **B** (Biomarkers), **MAGNESC PLUS** (Magnesium Supplement), **TAC** (Total Antioxidant Capacity), **A** (Antioxidants), **CM 180** (Cardiovascular Marker).

	A	B	C	D	E	F	G	H	I	J
01	17	74.0	37.0	18.5	9.2	4.1	3.5	8.1	2.1	17
02	18	78.3	39.2	19.6	9.6	4.4	3.7	8.3	2.2	18
03	19	82.7	41.3	20.7	10.1	4.6	3.9	8.6	2.3	19
04	20	87.1	43.4	21.8	10.6	4.8	4.1	8.9	2.4	20
05	21	91.4	45.7	22.8	11.4	5.1	4.4	9.2	2.5	21
06	22	95.7	47.9	23.9	12.0	5.3	4.6	9.5	2.6	22
07	18	101.4	50.7	25.1	12.7	5.6	4.8	9.8	2.8	18
08	19	105.7	52.8	26.2	13.2	5.8	5.0	10.1	2.9	19
09	20	110.0	54.9	27.3	13.8	6.1	5.3	10.4	3.0	20
10	21	114.2	57.1	28.4	14.1	6.3	5.4	10.7	3.1	21
11	22	118.5	59.1	29.5	14.6	6.6	5.6	10.9	3.2	22
12	23	123.9	61.9	31.3	15.5	6.9	5.9	11.3	3.4	23
13	24	129.3	64.7	33.1	16.4	7.2	6.2	11.6	3.6	24
14	25	134.7	67.5	34.9	17.2	7.5	6.5	11.9	3.8	25
15	26	140.1	70.3	36.7	18.0	7.8	6.8	12.2	4.0	26
16	27	145.5	73.0	38.5	18.8	8.1	7.1	12.5	4.2	27
17	28	150.9	75.8	40.3	19.6	8.4	7.4	12.8	4.4	28
18	29	156.3	78.6	42.1	20.4	8.7	7.7	13.1	4.6	29
19	30	161.7	81.4	43.9	21.2	9.0	8.0	13.4	4.8	30
20	31	167.1	84.2	45.7	22.0	9.3	8.3	13.7	5.0	31

## Mechanical: quick and safe setting

The mechanical transmission allows for 21 ratios, combining the top 7 with the 3 bottom sprocket wheels. A very high number of in-row seed-to-seed distances can be achieved by following the practical instructions of the seed distribution chart. In the case of fertilizer distribution, it is also possible to upgrade the driving system from sprocket wheels set-up to stepless gearbox in oil bath.

## Electric: what is the meaning of autonomy?

All top range models, both MS8130 and MS8230, are available in the Elektro version equipped with autonomous 'full electric' transmission. The system is self-reliant and independent from the tractor. All precision farming needs (such as variable rate and section control) are met in conformity with Isobus standards. Using the soil fertility prescription maps, it will be possible to change seed investment adapting it to soil characteristics. The management of sections control automatically shut-off the rows when needed.



### Advantages of electric drive

- Avoids slippage and delays that occur with chains, wheels, universal joints and mechanical transmissions in general
- Allows instant distribution at starts and stops
- Maniacal control of seeding uniformity thanks to instantaneous reports from the control unit
- Constructive simplicity: dispensing with a complex mechanical transmission system increases the versatility of convertible configurations
- MS ELEKTRO seed drills are “full electric”. This means that the customer will be working in precision agriculture not only for seeding, but also for complementary products such as fertilisers and micro-granulated additives with a high-tech machine



# MaterMacc

## VACUUM PRECISION PLANTERS EVO SERIES



### MS 8000 EVO

**Planting unit for conventional or minimum  
tillage also with crop residues**



# MS 8130 [CORN, SUNFLOWER, SOYA, BEET, RAPE SEED, SORGHUM]

## VACUUM PRECISION PLANTERS - Telescopic tool bar



Available  
in the standard  
equipment

### Main features

The EVO series is characterized by a planting unit designed to work from 6 to 12 km/h. The MS8130 telescopic frame allows to be 3 meters wide in transport position.

### STANDARD EQUIPMENT

MS8000 EVO planting unit
"Plus" distributor with 360° seal
1" V-closing wheels
Spoked gauge wheels
Telescopic toolbar
3 point hitch Category II
PTO 750 rpm
Drive shaft with free wheel 1" 3/8 Z6-Z6 (718 mm length)
MiPlus electronic control system
Tablet Android 10"
Automatic, hydraulic disc row maker (on the center or on the wheel)
Led lights and warning panels kit for transport on road
High/low density transmission kit (Z17-Z13)
Centralized gearbox 21 ratios
Collecting device to empty seed tank
Knocker for small seeds (each row)
Seed press wheels
Seed plate for corn (32 holes Ø 5,5)
Oversized ground wheels 23x10.50-12
NOTE: Hydraulic connection from the tractor, minimum 2

### MICROGRANULATOR

One hopper every 2 rows
25 l. capacity each
Volumetric metering system
In-furrow distribution



### FERTILIZER

Painted steel tank 1185 l. capacity
Stainless steel metering units support
Volumetric metering system with centralized adjustment
Double disc coulter + reinforced frame
Additional fan for fertilizer distribution



### MiPlus FEATURES

App supported by Android7 and iOS 12 or newer (wireless connecton)
Planting accuracy certified according to ISO 7256/1
Working speed and productivity control
Diagnostics and history database
Vacuum and fan RPM control
NOTE: Speed detection by wheel sensor






FIELD SET-UP (see page 5)






# MS 8130

## VACUUM PRECISION PLANTERS - Telescopic toolbar

	CODE	N° ROWS	ROW SPACING (cm)	TOOLBAR (cm)	DRY WEIGHT (kg)	POWER (Hp) REQUIRED	HOPPER CAPACITY (L)			PRICE (€)
BASIC VERSION										
	05622850P	6	75	300/410	1320	90	300	-	-	34.170,00
VERSION WITH MICROGRANULATOR										
	05622851P	6	75	300/410	1420	90	300	75	-	36.770,00
VERSION WITH FERTILIZER DOUBLE DISC COULTER										
	05622882P	6	75	300/410	1650	90	300	-	1x1185	41.760,00
VERSION WITH FERTILIZER DOUBLE DISC COULTER + MICROGRANULATOR										
	05622883P	6	75	300/410	1740	90	300	75	1x1185	44.370,00

NOTE: Models fitted with MiPlus electronic control system cannot be made ISOBUS compliant.

## ACCESSORIES

	CODE	DESCRIPTION	PRICE (€)
	09220030	Surcharge for 2" V closing wheels (each row)	87,00
	NOTE	Not available with narrow depth wheels	
	09120100	Row cleaner "trash wheels" for standard width gauge wheels (each row)	520,00
	19015306	Electromagnetic exclusion for 6 rows on MS8130 EVO	3.170,00

# MS 8230 (8 R) [CORN, SUNFLOWER, SOYBEAN, BEET, RAPE SEED, SORGHUM]

## VACUUM PRECISION PLANTERS - Hydraulic folding Easy-Set toolbar



Available in the standard equipment



### Main features

The MS8230 mounted planter is extremely versatile, allowing to reduce transport width even having planters with a wide working width, thanks to the hydraulic EASY-SET System (patented by MaterMacc) and folding-up side wings frame. This system with inter-row spacer rings allows to easily and quickly change rows distance.

### STANDARD EQUIPMENT

MS8000 EVO planting unit  
EVO unit: heavy coil down-pressure springs, spoked gauge wheels, MagicSem Plus distributor  
1" V-closing wheels  
Hydraulic folding Easy-Set frame  
Transport width of 3 meters  
Frame safety locking system  
Gauge wheels cast-iron support with Quick-Set adjustment  
PTO 1000 RPM  
Drive shaft with free wheel 1" 3/8 Z6-Z6 (718 mm length)  
Led lights and warning panels kit for transport on road  
High/low density transmission kit (Z17-Z13)  
Hydraulic disc row maker (on the center or on the wheel)  
Centralized gearbox 21 ratios  
Knocker for small seeds (each row)  
Collecting device to empty seed tank  
Planting unit lifting lever  
Seed press wheels  
Seed plates for corn (32 holes Ø 5,5)  
Oversized ground wheels 23x10.50-12  
MiPlus control system  
Tablet Android 10"  
Photocells for small seeds detection as well

Inter-row ring spacer 45 cm

Inter-row ring spacer 50 cm

Inter-row ring spacer 75 cm

Frame side removable sections, 900 mm

NOTE: Hydraulic connection from the tractor, minimum 2

### MICROGRANULATOR

One hopper every 2 rows

25 l. capacity

Volumetric metering system

In-furrow distribution



### MiPlus FEATURES

App supported by Android7 and iOS 12 or newer (wireless connection)

Planting accuracy certified according to ISO 7256/1

Working speed and productivity control

Diagnostics and history database

Vacuum and fan RPM control


NOTE: Speed detection by wheel sensor



FIELD SET-UP (see page 5)

# MS 8230 (8 R)




## VACUUM PRECISION PLANTERS - Hydraulic folding Easy-Set toolbar


	CODE	N° ROWS	CONFIGURATIONS (cm)	TOOLBAR (cm)	DRY WEIGHT (kg)	POWER (Hp) REQUIRED	HOPPER CAPACITY (L)			PRICE (€)
BASIC VERSION (Pdp standard; 540 Rpm)										
	05724650P [A]	8	8x45/50 → 8x75	300/590	1370	100	400	-	-	48.860,00
VERSION WITH MICROGRANULATOR (Pdp standard; 540 Rpm)										
	05724651P [A]	8	8x45/50 → 8x75	300/590	1460	100	400	100	-	52.340,00

NOTE: Models fitted with MiPlus electronic control system cannot be made ISOBUS compliant.

Other row clearances and number of rows available (please contact us).

## ACCESSORIES

	CODE	DESCRIPTION	PRICE (€)
	<b>09220030</b>	Surcharge for 2" V closing wheels (each row)	<b>87,00</b>
	NOTE	Not available with narrow depth wheels	
	<b>09120100</b>	Row cleaner "trash wheel" for standard width gauge wheels (each row)	<b>520,00</b>
	<b>19015308</b>	Electromagnetic exclusion for 8 rows	<b>3.750,00</b>

	<b>[A]</b> Frame side removable sections, 900 mm (on each side)
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PLEASE SPECIFY THE TRACTOR WHEEL TRACK WIDTH

# MS 8230 (12 R) [CORN, SUNFLOWER, SOYBEAN, BEET, RAPE SEED, SORGHUM]

## VACUUM PRECISION PLANTERS - Hydraulic folding Easy-Set toolbar



Available in the standard equipment



### Main features

The MS8230 mounted planter is extremely versatile, allowing to reduce transport width even having planters with a wide working width, thanks to the hydraulic EASY-SET System (patented by MaterMacc) and folding-up side wings frame. This system with inter-row spacer rings allows to easily and quickly change rows distance.

### STANDARD EQUIPMENT

MS8000 EVO planting unit

EVO unit: heavy coil down-pressure springs, spoked gauge wheels, MagicSem Plus distributor

1" V-closing wheels

Hydraulic folding Easy-Set frame

Transport width of 3.20 meters

Frame safety locking system

Gauge wheels cast-iron support with Quick-Set adjustment

PTO 1000 RPM

Drive shaft with free wheel 1" 3/8 Z6-Z6 (718 mm length)

Led lights and warning panels kit for transport on road

High/low density transmission kit (Z17-Z13)

Hydraulic disc row maker (on the center or on the wheel)

Centralized gearbox 21 ratios

Knocker for small seeds (each row)

Collecting device to empty seed tank

Planting unit lifting lever

Seed press wheels

Seed plates for corn (32 holes Ø 5,5) + 4 blank discs (with no holes) for conversion from 12 to 8 rows

Oversize ground wheels 23x10.50-12

MiPlus control system

Tablet Android 10"

Photocells for small seeds detection as well

Inter-row ring spacer 45 cm

Inter-row ring spacer 50 cm

Inter-row ring spacer from 12 to 8 rows at 75 cm

Frame side removable sections, 900 mm

NOTE: Hydraulic connection from the tractor, minimum 2

### MICROGRANULATOR

One hopper every 2 rows

4 plugs included to convert the planter from 12 to 8 rows

25 l. capacity

Volumetric metering system

In-furrow distribution



### MiPlus FEATURES

App supported by Android7 and iOS 12 or newer (wireless connectivity)

Planting accuracy certified according to ISO 7256/1

Working speed and productivity control

Diagnostics and history database

Vacuum and fan RPM control

NOTE: Speed detection by wheel sensor




FIELD SET-UP (see page 5)



# MS 8230 (12 R)




## VACUUM PRECISION PLANTERS - Hydraulic folding Easy-Set toolbar


	CODE	N° ROWS	CONFIGURATIONS (cm)	TOOLBAR (cm)	DRY WEIGHT (kg)	POWER (Hp) REQUIRED	HOPPER CAPACITY (L)			PRICE (€)
BASIC VERSION (Pdp standard; 540 Rpm)										
	05727250P [◇-A]	12	12x45/50 → 8x75/80	320/610	1700	110	600	-	-	65.960,00
VERSION WITH MICROGRANULATOR (Pdp standard; 540 Rpm)										
	05727251P [◇-A]	12	12x45/50 → 8x75/80	320/610	1830	110	600	150	-	71.480,00

NOTE: Models fitted with MiPlus electronic control system cannot be made ISOBUS compliant.

Other row clearances and number of rows available (please contact us).

## ACCESSORIES

	CODE	DESCRIPTION	PRICE (€)
	<b>09220030</b>	Surcharge for 2" V closing wheels (each row)	<b>87,00</b>
	NOTE	Not available with narrow depth wheels	
	<b>09120102</b>	Row cleaner "trash wheel" (each row)	<b>520,00</b>
	<b>19015312</b>	Electromagnetic exclusion for 12 rows	<b>4.900,00</b>

	[A] Frame side removable sections, 900 mm (on each side)
---	--

[◇] The planter must be equipped with narrow depth gauge wheels for transport on road

PLEASE SPECIFY THE TRACTOR WHEEL TRACK WIDTH

# MS 8230 MIDI (8 R)

[CORN, SUNFLOWER, SOYBEAN, BEET, RAPE SEED, SORGHUM]

**VACUUM PRECISION PLANTERS - Double hydraulic folding frame with Easy-Set**



Available  
in the standard  
equipment



## Main features

The MIDI mounted precision planter brings together all features of the MS8230, a fertilizer stainless steel tank with a capacity of over 1200 L and centralized adjustment, a fertilizer pneumatic transport system on all rows to be able to effectively work at any row spacing.

## STANDARD EQUIPMENT

MS8000 EVO planting unit  
EVO unit: heavy coil down-pressure springs, spoked gauge wheels, MagicSem Plus distributor  
Gauge wheels cast-iron support with Quick-Set adjustment  
1" V-closing wheels  
Additional fan for fertilizer distribution  
Volumetric metering unit support and stainless steel fertilizer tank 1280 l. capacity  
Hydraulic folding Easy-Set double frame  
Transport width of 3 meters  
Frame safety locking system  
PTO 1000 RPM  
Drive shaft with free wheel 1" 3/8 Z6-Z6 (718 mm length)  
Led lights and warning panels kit for transport on road  
High/low density transmission kit (Z17-Z13)  
Hydraulic disc row maker (on the center or on the wheel)  
Centralized gearbox 21 ratios  
Knocker for small seeds (each row)  
Collecting device to empty seed tank  
Planting unit lifting lever  
Seed press wheels  
Seed plate for corn (32 holes Ø 5,5)  
Fertilizer stepless gearbox in oil bath  
Oversize ground wheels 23x10.50-12  
MiPlus control system

Tablet Android 10"

Photocells for small seeds detection as well

Inter-row ring spacer 45 cm

Inter-row ring spacer 50 cm

Inter-row ring spacer 75 cm

Frame side removable sections, 900 mm

NOTE: Hydraulic connection from the tractor, minimum 2

## MICROGRANULATOR

One hopper every 2 rows

25 l. capacity

Volumetric metering system

In-furrow distribution



## MiPlus FEATURES

App supported by Android7 and iOS 12 or newer (wireless connectivity)

Planting accuracy certified according to ISO 7256/1

Working speed and productivity control

Diagnostics and history database

Vacuum and fan RPM control

NOTE: Speed detection by wheel sensor




**FIELD SET-UP (see page 5)**

# MS 8230 MIDI (8 R)


## VACUUM PRECISION PLANTERS - Double hydraulic folding Easy-Set toolbar

	CODE	N° ROWS	CONFIGURATIONS (cm)	TOOLBAR (cm)	DRY WEIGHT (kg)	POWER (Hp) REQUIRED	HOPPER CAPACITY (L)			PRICE (€)
							seed	micro	stainless steel spreader	

### BASIC VERSION WITH MIDI FERTILIZER AND DOUBLE DISC COULTER

	<b>05724692P</b> [A]	8	8x45/50 → 8x75	300/590	1850	120	400	-	1x1280	<b>65.370,00</b>
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### BASIC VERSION WITH MIDI FERTILIZER, MICROGRANULATOR AND DOUBLE DISC COULTER


	<b>05724693P</b> [A]	8	8x45/50 → 8x75	300/590	1930	120	400	100	1x1280	<b>67.990,00</b>
---	-------------------------	---	----------------	---------	------	-----	-----	-----	--------	------------------

NOTE: Models fitted with MiPlus electronic control system cannot be made ISOBUS compliant.

Other row clearances and number of rows available (please contact us).

## ACCESSORIES

	CODE	DESCRIPTION	PRICE (€)
	<b>09220030</b>	Surcharge for 2" V closing wheels (each row)	<b>87,00</b>
	NOTE	Not available with narrow depth wheels	
	<b>09120100</b>	Row cleaner "trash wheel" (each row)	<b>520,00</b>
	<b>19015308</b>	Electromagnetic exclusion for 8 rows	<b>3.750,00</b>

	[A] Frame side removable sections, 900 mm (on each side)
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# MS 8230 ELEKTRO (7-9 R)

[CORN, SUNFLOWER, SOYA, BEET, RAPE SEED, SORGHUM]

**VACUUM PRECISION PLANTERS - Hydraulic folding Easy-Set toolbar**



## Main features

The MS8230 mounted planter is extremely versatile, allowing to reduce transport width even having planters with a wide working width, thanks to the hydraulic EASY-SET System (patented by MaterMacc) and folding-up side wings frame. The electric drive guarantees instant seeding. It is possible seeding variable rate according to prescription maps and the automatic section control to avoid overlapping.

## STANDARD EQUIPMENT

MS8000 EVO planting unit
EVO unit: heavy coil down-pressure springs, spoked gauge wheels, MagicSem Plus distributor
1" V-closing wheels
Hydraulic folding Easy-Set double frame
Transport width of 3 meters
Frame safety locking system
PTO 1000 RPM
Drive shaft with free wheel 1" 3/8 Z6-Z6 (718 mm length)
Vacuum meter
Led lights and warning panels kit for transport on road
ISOBUS compliant* electric motor with integrated ECU (Isobus terminal not included)
Maintenance-free, tractor independent power supply, no battery required
Photocells for small seeds detection as well
Hydraulic disc row maker (on the center or on the wheel)
Knocker for small seeds (each row)
Collecting device to empty seed tank
Planting unit lifting lever
Seed press wheels
Seed plate for corn (32 holes Ø 5,5)
Oversize ground wheels 23x10.50-12
Inter-row ring spacer 45 cm

Inter-row ring spacer 50 cm

Inter-row ring spacer 75 cm

Frame side removable sections, 900 mm

NOTE: - The tractor requires a rear ISOBUS\* connection  
- 2 hydraulic distributors are required on the tractor

(\*): See page 29 for compatibility chart

## MICROGRANULATOR

One hopper every 2 rows

25 l. capacity

Volumetric metering system

ISOBUS electric drive

In-furrow distribution




Available  
in the standard  
equipment

**FIELD SET-UP (see page 5)**





# MS 8230 ELEKTRO (7-9 R)


## VACUUM PRECISION PLANTERS - Hydraulic folding Easy-Set tool bar

	CODE	N° ROWS	CONFIGURATIONS (cm)	TOOLBAR (cm)	DRY WEIGHT (kg)	POWER (Hp) REQUIRED	HOPPER CAPACITY (L)			PRICE (€)
BASIC VERSION										
	02443850	7	7x50/60 → 6x80	300/445	1160	80	350	-	-	
	05744650P [A]	8	8x45/50 → 8x75	300/590	1330	100	400	-	-	56.670,00
	02745650 [A]	9	9x45 → 8x80	320/610	1430	100	450	-	-	
VERSION WITH MICROGRANULATOR										
	02443852 [A]	7	7x50/60 → 6x80	300/445	1240	80	350	88	-	
	05744652P [A]	8	8x45/50 → 8x75	300/590	1460	100	400	100	-	62.470,00
	02745652 [A]	9	9x45 → 8x80	320/610	1520	100	450	113	-	

Additional row distances and number of rows available.

## ACCESSORIES

	CODE	DESCRIPTION	PRICE (€)
	<b>09220030</b>	Surcharge for 2" V closing wheels (each row)	<b>87,00</b>
	NOTE	Not available with narrow depth wheels	
	<b>09120100</b>	Row cleaner "trash wheel" for standard gauge wheels (each row)	<b>520,00</b>

	<b>[A]</b> Frame side removable sections, 900 mm (on each side)
---	---

PLEASE SPECIFY THE TRACTOR WHEEL TRACK WIDTH

# MS 8230 ELEKTRO (11-12 R)

[CORN, SUNFLOWER, SOYA, BEET, RAPE SEED, SORGHUM]

## VACUUM PRECISION PLANTERS - Hydraulic folding Easy-Set frame



### Main features

The MS8230 mounted planter is extremely versatile, allowing to reduce transport width even having planters with a wide working width, thanks to the hydraulic EASY-SET System (patented by MaterMacc) and folding-up side wings frame. The electric drive guarantees instant seeding. It is possible seeding variable rate according to prescription maps and the automatic section control to avoid overlapping.

### STANDARD EQUIPMENT

MS8000 EVO planting unit  
 EVO unit: heavy coil down-pressure springs, spoked gauge wheels, MagicSem Plus distributor  
 1" V-closing wheels  
 Hydraulic folding Easy-Set double frame  
 Transport width 3.20 meters  
 Frame safety locking system  
 PTO 1000 RPM  
 Drive shaft with free wheel 1" 3/8 Z6-Z6 (718 mm length)  
 Vacuum meter  
 Led lights and warning panels kit for transport on road  
 ISOBUS compliant\* electric motor with integrated ECU (Isobus terminal not included)  
 Maintenance-free, tractor independent power supply, no battery required  
 Photocells for small seeds detection as well  
 Hydraulic disc row maker (on the center or on the wheel)  
 Knocker for small seeds (each row)  
 Collecting device to empty seed tank  
 Planting unit lifting lever  
 Seed press wheels  
 Seed plate for corn (32 holes Ø 5,5) + 4 blanc disc with no holes for conversion from 12 to 8 rows  
 Oversized ground wheels of 23x10.50-12  
 Ring inter-row 45 cm

Inter-row ring spacer 50 cm

Inter-row ring spacer ring from 12 to 8 rows at 75 cm

Removable arms, 900mm section removable on each arm

NOTE: - The tractor requires a rear ISOBUS\* connection  
 - 2 hydraulic distributors are required on the tractor

(\*): See page 29 for compatibility chart

### MICROGRANULATOR

One hopper every 2 rows  
 25 l. capacity plastic hopper  
 4 plugs included for conversion from 12 to 8 rows  
 Volumetric metering system  
 ISOBUS electric drive  
 In-furrow distribution




Available  
in the standard  
equipment

FIELD SET-UP (see page 5)



# MS 8230 ELEKTRO (11-12R)


## VACUUM PRECISION PLANTERS - Hydraulic folding Easy-Set tool bar

	CODE	N° ROWS	CONFIGURATIONS (cm)	TOOLBAR (cm)	DRY WEIGHT (kg)	POWER (Hp) REQUIRED	HOPPER CAPACITY (L)			PRICE (€)
BASIC VERSION										
	<b>02747050</b> [A-◇]	11	11x45/50 → 9x70	320/610	1640	110	550	-	-	
	<b>05747250P</b> [A-◇]	12	12x45/50 → 8x75/80	320/610	1700	110	600	-	-	<b>79.160,00</b>
VERSION WITH MICROGRANULATOR										
	<b>02747052</b> [A-◇]	11	11x45/50 → 9x70	320/610	1740	110	550	138	-	
	<b>05747252P</b> [A-◇]	12	12x45/50 → 8x75/80	320/610	1830	110	600	150	-	<b>88.150,00</b>

Additional row distances and number of rows available.

## ACCESSORIES

	CODE	DESCRIPTION	PRICE (€)
	<b>09220030</b>	Surcharge for 2" V closing wheels (each row)	<b>87,00</b>
	NOTE	Not available with narrow depth wheels	
	<b>09120102</b>	Row cleaner "trash wheel" (each row)	<b>520,00</b>

	<b>[A]</b> Frame side removable sections, 900 mm (on each side)
---	---

[◇] The planter must be equipped with narrow depth gauge wheels for transport on road

PLEASE SPECIFY THE TRACTOR WHEEL TRACK WIDTH

*MaterMacc*

# MS 8230 MIDI ELEKTRO (8 R)

[CORN, SUNFLOWER, SOY BEAN, BEET, RAPE SEED, SORGHUM]

**VACUUM PRECISION PLANTERS - Double hydraulic folding Easy-Set toolbar**



## Main features

The MIDI mounted precision planter brings together all features of the MS8230, a fertilizer stainless steel tank with a capacity of over 1200 L and centralized adjustment, a fertilizer pneumatic transport system on all rows to be able to effectively work at any row spacing. The electric drive guarantees instant seeding. It is possible seeding variable rate according to prescription maps and the automatic section control to avoid overlapping.

## STANDARD EQUIPMENT

MS8000 EVO planting unit  
EVO unit: heavy coil down-pressure springs, spoked gauge wheels, MagicSem Plus distributor  
Gauge wheels cast-iron support with Quick-Set adjustment  
1" V-closing wheels  
Additional fan for fertilizer distribution  
Volumetric metering unit support and stainless steel fertilizer tank 1280 l. capacity  
Hydraulic folding Easy-Set double frame  
Transport width of 3 meters  
Frame safety locking system  
PTO 1000 RPM  
Drive shaft with free wheel 1" 3/8 Z6-Z6 (718 mm length)  
Led lights and warning panels kit for transport on road  
ISOBUS compliant\* electric motor with integrated ECU (Isobus terminal not included)  
Maintenance-free, tractor independent power supply, no battery required  
Hydraulic disc row maker (on the center or on the wheel)  
Knocker for small seeds (each row)  
Collecting device to empty seed tank  
Planting unit lifting lever  
Seed press wheels  
Seed plate for corn (32 holes Ø 5,5)

Oversized ground wheels of 23x10.50-12

Photocells for small seeds detection as well

Inter-row ring spacer 45 cm

Inter-row ring spacer 50 cm

Inter-row ring spacer 75 cm

Removable arms, 900mm section removable on each arm

NOTE: - The tractor requires a rear ISOBUS\* connection  
- 2 hydraulic distributors are required on the tractor

(\*): See page 29 for compatibility chart

## MICROGRANULATOR

One hopper every 2 rows

25 l. capacity plastic hopper

4 plugs included for conversion from 12 to 8 rows

Volumetric metering system

ISOBUS electric drive

In-furrow distribution





Available  
in the standard  
equipment

**FIELD SET-UP (see page 5)**





# MS 8230 MIDI ELEKTRO (8 R)

## VACUUM PRECISION PLANTERS - Double hydraulic folding Easy-Set toolbar

	CODE	N° ROWS	CONFIGURATIONS (cm)	TOOLBAR (cm)	DRY WEIGHT (kg)	POWER (Hp) REQUIRED	HOPPER CAPACITY (L)			PRICE (€)
							seed	micro	stainless steel spreader	
BASIC VERSION WITH MIDI FERTILIZER AND DOUBLE DISC COULTER										
	05744694P [A]	8	8x45/50 → 8x75	300/590	1850	120	400	-	1x1280	74.190,00
BASIC VERSION WITH MIDI FERTILIZER, MICROGRANULATOR AND DOUBLE DISC COULTER										
	05744695P [A]	8	8x45/50 → 8x75	300/590	1930	120	400	100	1x1280	78.940,00

Additional row distances and number of rows available.

## ACCESSORIES

	CODE	DESCRIPTION	PRICE (€)
	<b>09220030</b>	Surcharge for 2" V closing wheels (each row)	<b>87,00</b>
	NOTE	Not available with narrow depth wheels	
	<b>09120100</b>	Row cleaner "trash wheel" for standard gauge wheels (each row)	<b>520,00</b>



[A] Frame side removable sections, 900 mm (on each side)

# MS EVO SEED PLATES



CODE	DESCRIPTION	MAIZE	SUNFLOWER	SOYBEAN	SUGAR BEET	SORGHUM	RAPE SEED	COTTON	TOMATO	PUMPKIN	PEANUT	BEAN	COURGETTE	RADICCHIO SALAD	THISTLE	CHICKPEA	SEED SPACING	PRICE (€)
																	WHEEL 185 cm	
18140425	4 holes Ø 2.5 mm																74,0-183,5	63,00
18140835	8 holes Ø 3.5 mm																37,0-91,7	63,00
18140845	8 holes Ø 4.5 mm																37,0-91,7	63,00
18141622	16 holes Ø 2.2 mm																18,5-45,9	63,00
18141625	16 holes Ø 2.5 mm																18,5-45,9	63,00
18141630	16 holes Ø 3.0 mm																18,5-45,9	63,00
18141635	16 holes Ø 3.5 mm																18,5-45,9	63,00
18141645	16 holes Ø 4.5 mm																18,5-45,9	63,00
18141655	16 holes Ø 5.5 mm																18,5-45,9	63,00
18143225	32 holes Ø 2.5 mm																9,2-22,9	68,00
18143230	32 holes Ø 3.0 mm																9,2-22,9	68,00
18143240	32 holes Ø 4.0 mm																9,2-22,9	68,00
18143245	32 holes Ø 4.5 mm																9,2-22,9	68,00
18143250	32 holes Ø 5.0 mm																9,2-22,9	68,00
18143255	32 holes Ø 5.5 mm																9,2-22,9	68,00
18147210	72 holes Ø 1.0 mm																4,1-10,2	110,00
18147220	72 holes Ø 2.0 mm																4,1-10,2	110,00
18147235	72 holes Ø 3.5 mm																4,1-10,2	83,00
18147240	72 holes Ø 4.0 mm																4,1-10,2	83,00
18147245	72 holes Ø 4.5 mm																4,1-10,2	83,00
18148440	84 holes Ø 4.0 mm																3,5-8,7	83,00
18148445	84 holes Ø 4.5 mm																3,5-8,7	83,00
18149620	144 holes Ø 1.0 mm																3,1-7,6	124,00
18149635	96 holes Ø 3,5 mm																3,1-7,6	97,00
18145510	144 holes Ø 1,0 mm																2,1-5,1	124,00

CODE	DESCRIPTION	PRICE (€)
Contact the manufacturer	EVO custom made seed plate [•]	240,00
18140001	EVO blank seed plate with no holes	33,00

NOTE: it is suggested to use the seed disc with the highest number of holes to meet your in-row spacing requirement.  
 EXAMPLE: 32 and 16 holes seed plate are both suitable for corn at 19 cm.  
 [•]: Specify number of holes and diameter

# MS EVO SEED CHARTS

WITH 23x10.50-12 DRIVE WHEELS - N.B.: Theoretical values

Tabella Semina  
Seed distribution table  
Tableau de distribution des semis  
Saatgut-Verteilertisch  
Tabla de distribución de semillas  
Таблица распределения семян  
种子分配台

**MAGICSEM PLUS**

CM 185

COD.58212028

TC

TAC

A - B	4	8	16	32	72	B - A
22 - 17	74,0	37,0	18,5	9,2	4,1	17 - 22
22 - 18	78,3	39,2	19,6	9,8	4,4	18 - 22
22 - 19	82,7	41,3	20,7	10,3	4,6	19 - 22
22 - 20	87,0	43,5	21,8	10,9	4,8	20 - 22
22 - 21	91,4	45,7	22,8	11,4	5,1	21 - 22
22 - 22	95,7	47,9	23,9	12,0	5,3	22 - 22
17 - 18	101,4	50,7	25,3	12,7	5,6	18 - 17
17 - 19	107,0	53,5	26,7	13,4	5,9	19 - 17
17 - 20	112,6	56,3	28,2	14,1	6,3	20 - 17
17 - 21	118,2	59,1	29,6	14,8	6,6	21 - 17
17 - 22	123,9	61,9	31,0	15,5	6,9	22 - 17
17 - 23	129,5	64,8	32,4	16,2	7,2	23 - 17
12 - 17	135,6	67,8	33,9	17,0	7,5	17 - 12
12 - 18	143,6	71,8	35,9	17,9	8,0	18 - 12
12 - 19	151,6	75,8	37,9	18,9	8,4	19 - 12
12 - 20	159,5	79,8	39,9	19,9	8,9	20 - 12
12 - 21	167,5	83,8	41,9	20,9	9,3	21 - 12
12 - 22	175,5	87,7	43,9	21,9	9,7	22 - 12
12 - 23	183,5	91,7	45,9	22,9	10,2	23 - 12

cm cm

\*Valori teorici - \*Theoretical values - \*Valeurs théoriques - \*Theoretische Werte - \*Valores teòrico

Tabella Semina  
Seed distribution table  
Tableau de distribution des semis  
Saatgut-Verteilertisch  
Tabla de distribución de semillas  
Таблица распределения семян  
种子分配台

**MAGICSEM PLUS**

CM 185

COD.58212029

TC

TAC

A - B	4	8	16	32	72	B - A
22 - 17	96,7	48,4	24,2	12,1	5,4	17 - 22
22 - 18	102,4	51,2	25,6	12,8	5,7	18 - 22
22 - 19	108,1	54,1	27,0	13,5	6,0	19 - 22
22 - 20	113,8	56,9	28,4	14,2	6,3	20 - 22
22 - 21	119,5	59,7	29,9	14,9	6,6	21 - 22
22 - 22	125,2	62,6	31,3	15,6	7,0	22 - 22
17 - 18	132,5	66,3	33,1	16,6	7,4	18 - 17
17 - 19	139,9	69,9	35,0	17,5	7,8	19 - 17
17 - 20	147,3	73,6	36,8	18,4	8,2	20 - 17
17 - 21	154,6	77,3	38,7	19,3	8,6	21 - 17
17 - 22	162,0	81,0	40,5	20,2	9,0	22 - 17
17 - 23	169,4	84,7	42,3	21,2	9,4	23 - 17
12 - 17	177,3	88,7	44,3	22,2	9,9	17 - 12
12 - 18	187,8	93,9	46,9	23,5	10,4	18 - 12
12 - 19	198,2	99,1	49,5	24,8	11,0	19 - 12
12 - 20	208,6	104,3	52,2	26,1	11,6	20 - 12
12 - 21	219,1	109,5	54,8	27,4	12,2	21 - 12
12 - 22	229,5	114,7	57,4	28,7	12,7	22 - 12
12 - 23	239,9	120,0	60,0	30,0	13,3	23 - 12

cm cm

\*Valori teorici - \*Theoretical values - \*Valeurs théoriques - \*Theoretische Werte - \*Valores teòrico

Tabella Semina  
Seed distribution table  
Tableau de distribution des semis  
Saatgut-Verteilertisch  
Tabla de distribución de semillas  
Таблица распределения семян  
种子分配台

**MAGICSEM PLUS**

CM 185

COD.58212030

TC

TAC

A - B	4	8	16	32	72	B - A
22 - 17	56,6	28,3	14,1	7,1	3,1	17 - 22
22 - 18	59,9	29,9	15,0	7,5	3,3	18 - 22
22 - 19	63,2	31,6	15,8	7,9	3,5	19 - 22
22 - 20	66,5	33,3	16,6	8,3	3,7	20 - 22
22 - 21	69,9	34,9	17,5	8,7	3,9	21 - 22
22 - 22	73,2	36,6	18,3	9,1	4,1	22 - 22
17 - 18	77,5	38,8	19,4	9,7	4,3	18 - 17
17 - 19	81,8	40,9	20,5	10,2	4,5	19 - 17
17 - 20	86,1	43,1	21,5	10,8	4,8	20 - 17
17 - 21	90,4	45,2	22,6	11,3	5,0	21 - 17
17 - 22	94,7	47,4	23,7	11,8	5,3	22 - 17
17 - 23	99,0	49,5	24,8	12,4	5,5	23 - 17
12 - 17	103,7	51,8	25,9	13,0	5,8	17 - 12
12 - 18	109,8	54,9	27,4	13,7	6,1	18 - 12
12 - 19	115,9	57,9	29,0	14,5	6,4	19 - 12
12 - 20	122,0	61,0	30,5	15,2	6,8	20 - 12
12 - 21	128,1	64,0	32,0	16,0	7,1	21 - 12
12 - 22	134,2	67,1	33,5	16,8	7,5	22 - 12
12 - 23	140,3	70,1	35,1	17,5	7,8	23 - 12

cm cm

\*Valori teorici - \*Theoretical values - \*Valeurs théoriques - \*Theoretische Werte - \*Valores teòrico

# ISOBUS VIRTUAL TERMINAL

## Kit VIRTUAL TERMINAL ISOBUS XD (touch screen 7"; cabling to be added on)



**ISOBUS**

UT ISO

Supplied without GPS antenna

Speed detection by planter ground wheel sensor unless otherwise specified

CODE	DESCRIPTION	PRICE (€)
<b>19015113</b>	ISOBUS virtual terminal XD	<b>2.930,00</b>

NOTE: for any extra equipment, contact TOPCON.

## Kit VIRTUAL TERMINAL ISOBUS X25 (touch screen 8.4"; cabling to be added on)



**ISOBUS**

Full capability to map and manage data

Bright, multi-touch display readable with sunlight, with information boxes that can be relocated

Easy to install on the most common tractor brands in the market, with or without auto-steering

Possibility to download boundaries maps, seeding area coverage and recorded information

Integrated complete UT ISO and TC ISO

ISOBUS with TC-SC function (sections control), TC-BAS

GPS receiver SGR-1 supplied (with 20 cm accuracy)

CODE	DESCRIPTION	PRICE (€)
<b>19015102</b>	ISOBUS virtual terminal X25	<b>7.930,00</b>

## Kit VIRTUAL TERMINAL ISOBUS X35 (touch screen 12.1"; cabling to be added on)



**ISOBUS**

**VIRTUAL TERMINAL X35 offers the same functions of X25, plus some:**

Horizon XTEND: allows to visualize on any mobile devices

Variable rate control (VRC) up to 8 products

Standard GNSS if connected to SGR-1/AGI-4 receivers

Automatic section control (ASC) up to 200 sections

ISOBUS with UT, TC-BAS, TC-GEO and TC-SC functions

Ability to connect up to 6 video cameras

GPS SGR-1 receiver supplied (with 20 cm accuracy)

RTK antenna as standard (centimeter accuracy) if tractor enabled

CODE	DESCRIPTION	PRICE (€)
<b>19015103</b>	ISOBUS X35 virtual terminal	<b>11.170,00</b>

### ACCESSORIES

CODE	DESCRIPTION	PRICE (€)
<b>19015104</b>	ISOBUS wiring for Non-ISOBUS tractors (Mandatory with any ISOBUS virtual terminal)	<b>1.560,00</b>
<b>19015107</b>	ISOBUS wiring for ISOBUS-Ready tractors (Mandatory with any ISOBUS virtual terminal)	<b>280,00</b>
<b>19015112</b>	3 m Isobus wiring extension for special applications	<b>790,00</b>
<b>19015110</b>	9.5 m Isobus wiring extension for special applications	<b>910,00</b>

NOTE: wiring extensions for instance in the case of combinations with power harrows and strip-till equipment to plug in the Isobus socket.



# ISOBUS FUNCTIONS AND COMPATIBILITY

## UT – Universal terminal (single Isobus connection)



The ISOBUS universal terminal allows to use only one (compatible) terminal to operate different equipments, as well as to operate equipment from any compatible terminal.

## TC-BAS – Basic Task Controller (map importing and exporting)



It displays the information received from the equipment regarding performed work (customer name / field, hectare counters, stopwatch, etc.). It is possible to easily import the planned work into the Task Controller and/or subsequently export the complete documentation.

## TC-GEO – Geo-based Task Controller (example: variable rate)



Planning and adjusting the distribution rates according to GPS coordinates has never been easier thanks to prescription maps previously prepared.

## TC-SC - Section Control Task Controller (example: section control)



Automatic sections control. Working based on GPS coordinates prevents overlapping of seed rows or excessive overlapping of passes while spraying. Depending on field shape it allows to save up to 10% of seed.

### ISOBUS SYSTEM COMPATIBILITY (ALWAYS get in touch with the manufacturer to double-check any other compatibility)

Brand	Model	UT	TC-BAS	TC-GEO	TC-SC
Topcon	X25	Δ	Δ	Δ	Δ
Topcon	X30	Δ	Δ	Δ	Δ
Topcon	X35	Δ	Δ	Δ	Δ
Trimble	GFX-750	Δ		Δ	Δ
Trimble	TMX-2050 *	Δ		Δ	Δ
AgLeader	InCommand 1200	Δ		Δ	Δ
MuellerElektronic	Basic Terminal	Δ			
MuellerElektronic	Touch 1200	Δ		Δ	Δ
Fendt	VarioGuide 7"	Δ			
Fendt	VarioGuide 10.4"	Δ			
John Deere	CommandCenter 4600	Δ			Δ
Raven	CRX	Δ			
CNH	IntelliView IV *	Δ			Δ

### Δ: MS Elektro

MaterMacc strongly recommends the end user to keep his ISOBUS virtual terminal software always updated to maximize the compatibility among brands.

\* For configuration change, for example: from 12x45 to 8x75, the operator will have to delete the previous configuration and recreate it in the new.

# Conversion charts

ROW SPACING		TOOLBAR		WEIGHT		CAPACITY (SEED, MICRO, FERTILIZER)			
(cm)	(in)	(cm)	(in)	(kg)	(lb)	(L)	(gal USA)	(gal GB)	bush USA
12.0	4.72	150	59.06	50	110.23	3	0.79	0.66	0.1
12.5	4.92	180	70.87	100	220.46	5	1.32	1.10	0.1
12.9	5.08	200	78.74	300	661.39	12	3.17	2.64	0.3
13.0	5.12	250	98.43	400	881.85	25	6.60	5.50	0.7
13.2	5.20	254	100.00	500	1102.31	35	9.25	7.70	1.0
13.6	5.35	300	118.11	600	1322.77	50	13.21	11.00	1.4
13.8	5.43	320	125.98	700	1543.24	70	18.49	15.40	2.0
13.9	5.47	330	129.92	800	1763.70	100	26.42	22.00	2.8
14.0	5.51	350	137.80	900	1984.16	120	31.70	26.40	3.4
14.1	5.55	390	153.54	1000	2204.62	137	36.19	30.14	3.9
14.3	5.63	400	157.48	1500	3306.93	170	44.91	37.39	4.8
14.7	5.79	430	169.29	2000	4409.24	180	47.55	39.59	5.1
14.8	5.83	445	175.20	2500	5511.56	205	54.16	45.09	5.8
15.0	5.91	450	177.17	3000	6613.87	215	56.80	47.29	6.1
15.6	6.14	480	188.98	3500	7716.18	220	58.12	48.39	6.2
15.8	6.22	500	196.85	4000	8818.49	283	74.76	62.25	8.0
16.0	6.30	510	200.79	4500	9920.80	330	87.18	72.59	9.4
16.7	6.57	560	220.47	5000	11023.11	380	100.39	83.59	10.8
17.6	6.93	590	232.28	5500	12125.42	420	110.95	92.39	11.9
20.0	7.87	600	236.22	6000	13227.73	450	118.88	98.99	12.8
38.1	15.00	610	240.16	6500	14330.05	500	132.09	109.98	14.2
40.0	15.75	630	248.03	7000	15432.36	585	154.54	128.68	16.6
45.0	17.72	670	263.78	7500	16534.67	600	158.50	131.98	17.0
45.7	18.00	810	318.90	8000	17636.98	670	177.00	147.38	19.0
48.3	19.00	900	354.33	8500	18739.29	700	184.92	153.98	19.9
50.0	19.69	930	366.14	9000	19841.60	800	211.34	175.98	22.7
50.8	20.00	990	389.76	9500	20943.91	830	219.26	182.57	23.6
55.9	22.00	1150	452.76	10000	22046.22	890	235.11	195.77	25.3
60.0	19.69	1200	472.44	10500	23148.54	896	236.70	197.09	25.4
70.0	19.69	1300	511.81	11000	24250.85	900	237.75	197.97	25.5
75.0	29.53	1400	551.18	11500	25353.16	1000	264.17	219.97	28.4
76.2	30.00	1500	590.55			1105	291.91	243.07	31.4
80.0	31.50	1700	669.29			1170	309.08	257.36	33.2
81.3	32.00					1170	309.08	257.36	33.2
90.0	35.43					1200	317.01	263.96	34.1
91.4	36.00					1260	332.86	277.16	35.8
96.5	38.00					1300	343.42	285.96	36.9
101.6	40.00					1340	353.99	294.76	38.0
						1350	356.63	296.96	38.3
						1480	390.97	325.55	42.0
						1500	396.26	329.95	42.6
						1810	478.15	398.14	51.4
						1980	523.06	435.54	56.2
						2000	528.34	439.94	56.8
						2200	581.18	483.93	62.4
						2360	623.45	519.13	67.0
						3000	792.52	659.91	85.1
						3600	951.02	791.89	102.2
						4200	1109.52	923.87	119.2





## Our history

- MaterMacc was founded in 1983 and always driven by the passion for agriculture and constant research for new solutions to apply in the AG business
- The company is specialized in the design, production of pneumatic precision planters, pneumatic and mechanical seed drills as well as weeding inter-row crop cultivators
- It also designs and produces electronic control systems for the management of agricultural machinery and hose-reel irrigation machines
- Made in Italy technology and quality at the service of agriculture

## Quality in precision sowing

- MaterMacc is proud to offer seeding machines suitable for use in conventional tillage, minimal tillage or direct seeding (No-Till), meeting the needs of all farms
- The MagicSem pneumatic distributor, the greatest strenght and core of MaterMacc planters, was designed to insure accurate seeds distribution at a constant and precise distance. It always maintains excellent performance with all seeds typology and size
- The corporate belief is that the equipment performance and the high level of service provided, above all guarantee customers growth over time, as customers success becomes MaterMacc success
- MaterMacc, Smart precision planters

## Company contact details:

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