



SEMOIRS MARAÎCHERS **DE PRÉCISION**

PRECISION SEED DRILLS FOR ALL GRAINS

PRECISION SEEDER

FOR FINELY PREPARED AND/OR LIGHT SOILS

MS 21 range **Essentiel, Dynamic, Expert**

FROM 1 TO 6 ROWS : SIMPLE, PRECISE, ROBUST... EBRA!



An incredibly versatile distribution

Initially designed by EBRA for seeders of field crops, mechanical distribution by inclined seed-plate is simple (only one change of disc to switch from one crop to another), precise (seed by seed to approximately 80% for carrot, gauge 1.6-1.8) and unbelievably versatile: from very small seeds (parsley...) to very large ones (broad beans, large beans and even small bulblets)! So it proves ideal for market-gardening.



Specially designed for market gardening

The MS 21 has been specially designed for the needs of market-gardeners. The ideal weight of the seeding units, the quick and easy modification of the inter-row spacing and the seeding density, the very precise adjustment of seed-depth planting and covering... Everything has been integrated to meet the requirements of market gardeners who want simple and versatile equipment.



Independent seeding units

The seed-distributor plate of each row is driven by the front wheel of the unit. In this way, the seeding units are completely independent of each other: this allows very easy modification of the number of lines, the spacing between rows, and even allows sowing different crops from one row to another. Moreover, the MS 21 seeding units all rest on 2 wheels: the drill perfectly follows the irregular contours of the terrain.



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DEPUIS 1784 **FIABLE - PRÉCIS - EBRA**

SEVERAL POINTS SPECIALLY DESIGNED FOR THE USER

This equipment is available as standard or optional depending on the seeder model (see description next page)

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This is a widely recognized point - Ebra seeders are simple to use:

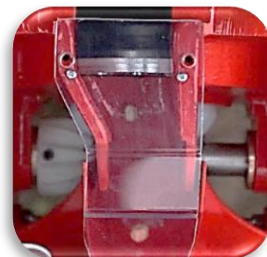
- change of seed-plate or adjustment of the density in only a few minutes and without any tools
- very precise and quick depth-adjustment
- total flexibility of the number of rows, and the spacing between rows
- instant emptying outlet
- low traction power necessary: a microtractor is enough



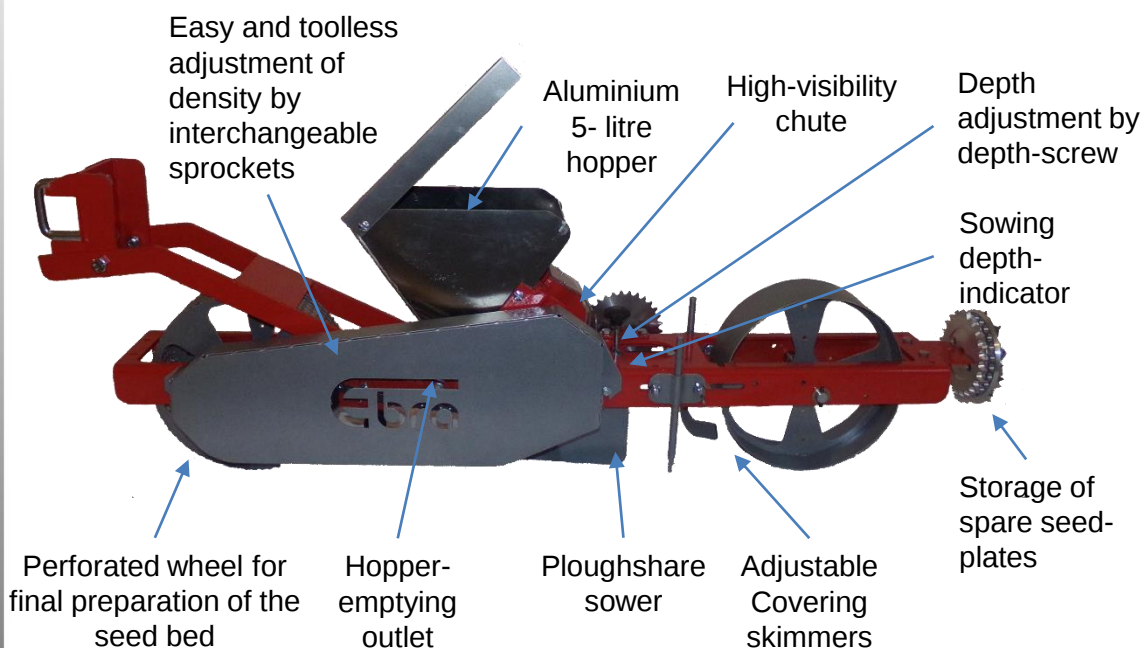
Depth adjustment by depth-screw + depth indicator



Density adjustment by sprockets (No tools, with simple adjustment table)



Chute with high-visibility to monitor correct distribution of seeds



Chain tensioner with simple and super-fast tension-system



Covering skimmers with Adjustable blade-height, orientation... & removable quickly and without tools



Emptying outlet

General Description:

- Precision seeder with mechanical distribution by tilted distributor disc
- From 1 to 8 seeding units, with individual drive, mounted on a beam frame (60 mm X 60 mm)
- Use for a very varied number of seeds, ranging from very small (carrots, parsley) to very large (big beans, broad beans...)
- Sowing capacity: approximately 1,000 m² per hour, per row (for rows spaced 30 cm apart)
e.g. 1 seeder with 4 rows spaced 30 cm apart sows 1 ha in approximately 3 hrs
- Recommended speed: 3 to 4.5 km/hr depending on the seeds (except very large seeds or small bulbs: 1 km/hr)
- 5-litre hopper with instant emptying system

Distribution:

- Sowing blocks with cast iron body, aluminium distributor discs (except for certain special discs which are made of synthetic material)
- Disc driven by conical couple
- Adjustment of density by means of a set of interchangeable sprockets
- Set the inter-row spacing by sliding the seeding units

Seed covering system:

- Covering of seeds by height-adjustable ploughshare sower made of shaped steel
- Depth of sowing regulated by sliding motion of the seed-boot, controlled by depth-screw lever on the Dynamic and Expert models (direct tightening on the downtube on MS Essentiel)
- Covering of seeds by removable and adjustable skimmers (on MS 21 Dynamic and MS 21 Expert) or by chain on MS 21 Essentiel
- Packing of seeds by the rear wheel after covering by the skimmers (removable)

3 DESIGNS DEPENDING ON YOUR NEEDS

	MS Essentiel	MS Dynamic	MS Expert
Beam (other widths optional)	1.50 m	1.50 m	1.50 m
Support wheels			✓
Grips on sides of front wheels (anti-slip)			✓
Seed covering	Chain	Skimmers	Skimmers
Front Wheel	Smooth	Perforated	Perforated
Rear Wheel	Smooth	Smooth	Smooth
Distribution tube	Standard	High-visibility	High-visibility
Depth adjustment by depth-screw		✓	✓
Sowing depth-indicator		✓	✓
Settings table in the hopper		✓	✓
Spare seed-plate (disc) rack		✓	✓
Seed-saving plate			✓
Storage box			✓
Dimensions (in cm) and weight	1 seeding unit: L: 130 – l: 23 H: 41 - 27 Kg		



A COMPLETE SERIES OF OPTIONS TO BETTER STILL MEET YOUR NEEDS

SEPEBA Microgranule spreader stainless steel rotor



For all kinds of microgranules. Injection in the sowing-line or beside the line. 6-litre hopper. Flow rate proportional to ground-speed.

SEPEBA Fertilizer spreader



Fertilizer spreader with stainless-steel block for mineral or organic granulated fertilizer. Flow rate proportional to ground-speed. 20 to 130 litre hopper.

Furrow Press



Replaces the standard seeder coupling beam. Exists in versions for the front or back of the seeder. Width of 1.20 to 2.00 metres.

Tracer



2 different versions: completely manual retraction, version with hydraulic rocker for headland and manual retraction for road-travel

Rubber rear-wheel



For sticky soils, the packing steel wheel can be replaced by a rubber wheel, which limits the soil-adherence

Re-packing (furrow-press) wheel



Stainless steel wheel. It packs the seeds directly in the line before the passage of the weighted wheel.

Iron clod-chaser



The clod-chaser (height-adjustable) ejects clods or stones to the sides before the arrival of the seeder wheels

Spread sowing shoe



Replaces the standard boot to sow 8 cm wide homogeneous bands, in order to increase density when sowing small seeds.

Handlebars to convert a unit to a manual seeder



An important asset of the MS 21 - you can easily convert one of the seeder's seeding units to an independent manual seeder.

But also...



- 2.5 kg weight (up to 4 per row)
- Seed-saving plate for sowing very small quantities

The information, technical descriptions and photos in this brochure are given for information only and are non-contractual, they can be changed at any time and without notice by the manufacturer.

SEPEBA EBRA

Les Grès – RN 23 - 49170 SAINT MARTIN DU FOUILLOUX
Tel (33) 02 41 68 02 02 - Fax (33) 02 41 79 83 71 - info@sepeba.fr
Limited company registered capital of €38,000 - Registered SIREN 389 667 577 - RCS Angers 93 B 16 - APE NAF 2830 Z
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