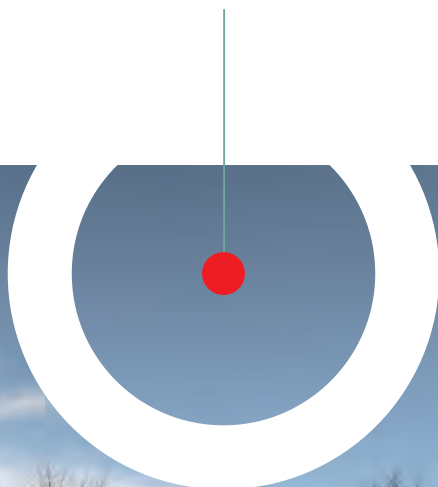




ARBOS



PRODUCTS CATALOGUE

Tractors, Precision planters, Fertilisers, Sprayers

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PRODUCTS CATALOGUE **ARBOS**

COMPANY PROFILE

High-tech, environmentally sensitive, uncompromising design: ARBOS, the new brand which is ambitiously taking on the world market, is proceeding apace to complete its full product line, adding a complete, efficient and cutting-edge range of agricultural equipment to its range of tractors. ARBOS industrial design guidelines are clearly identifiable:

- ITALIAN TRADITION
- CUTTING-EDGE DESIGN
- ENVIRONMENTALLY SENSITIVE
- A PASSION FOR DESIGN



ARBOS has inherited the values of a long-standing and glorious Italian brand, bringing its strengths up to date, taking advantage of significant economies of scale, focusing on excellence in design and bringing everything together with an original, award-winning style*. The prerequisites for success are all present and are actively pursued with commitment and conviction, aiming at reaching a level of quality which alone can guarantee long-lasting and all-encompassing success. This is what we call "Techno - Green" approach, the cornerstone of our corporate philosophy.

Now the road has finally been paved and the new, rapidly evolving full-line product range, entirely manufactured in our two production plants in San Vito al Tagliamento and Carpi, is making a powerful advance on the domestic and international markets.

All models stand out for their comfort, practicality, style, excellent performance, green credentials and ease of use: Italian design and manufacturing has never been so smart, mixing spot-on design, execution and respect for the surrounding environment.

All this with a keen eye towards reducing purchasing, running and maintenance costs.

We are a blend of expertise, tradition and modernity.

We are ready for the challenges that today and tomorrow may throw at us.

We are fast yet careful, innovative yet grounded.

We are ARBOS.

* Red Dot Winner 2017



Tractors



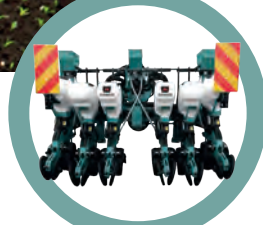
Orchard/Vineyard tractors



Sprayers



**Pneumatic seed drills
minimum till & no-till**



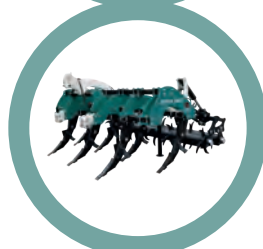
Vacuum precision planters



Seed drills wit power harrow



Fertilizer sprader



Subsoiler



PNEUMATIC SEED DRILLS

MINIMUM TILL & NO-TILL

Tank

Seed and fertiliser tank with loading platform. Total capacity 3000 L. (AS-F Version: 2000 L for seed, 1000 L for fertilizer).

Blower

Hydraulic blower for pneumatic seed transportation (40 L/min).

Seed and fertilizer metering unit

Volumetric and independent seed and fertilizer metering unit with divided distribution for each seeding row.

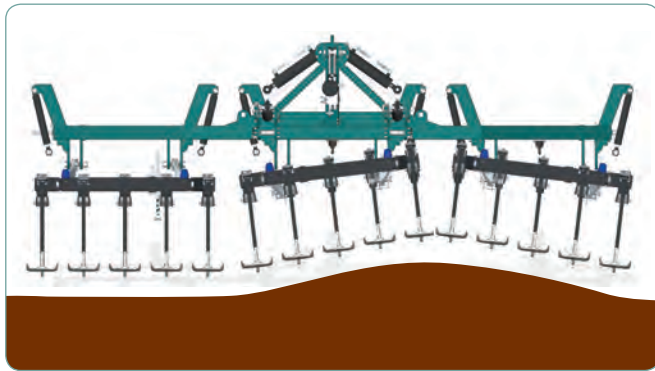
Road transport wheels

Low pressure transport wheels 600/50-R22.5 (AS 450) 700/50-R22.5 (AS 600).

Compression wheels

Compression roller to adjust depth, with 17x8.00-R8 low-pressure wheels in correspondence with every coulter.





Planting unit carriers

Planting units fitted on independent, floating carriers. The system allows you to follow the edge of the land, uniformly distributing the load via a hydraulic system.



Depth gauge wheels

Front wheels 26x12-12 low pressure, to adjust the seed depth.

Planting unit

Optimal planting units distance, on 5 ranks. Clearance from the ground of 600 mm allowing optimal flow of the crop residue.

Tractor linkage

3-point hitch, II and III cat., with rotation joint.

Tool bar

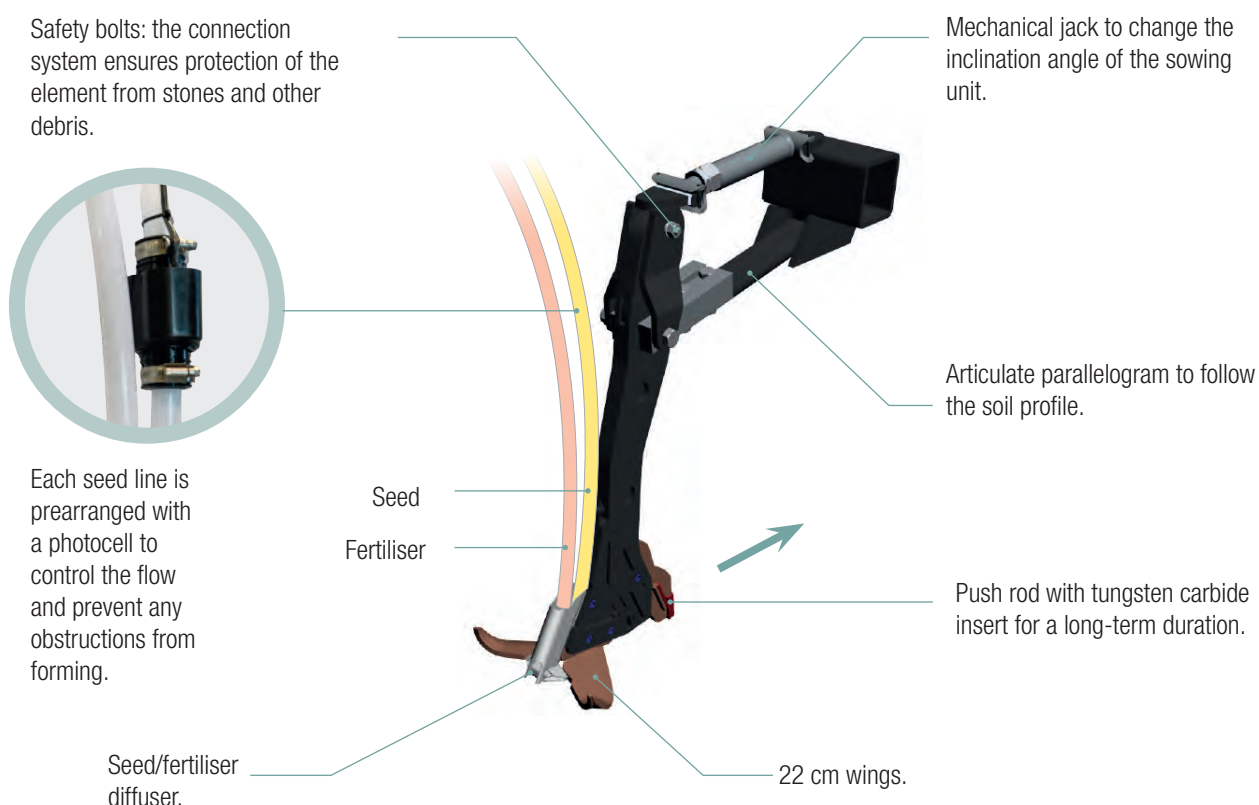
Foldable frame for transportation on the road.
Transportbreite weniger als 3,0 m.

AS-UST Pneumatic seed drills minimum till & no-till

The AS-UST Air Seeders - Under Surface Seeding Technology are developed for conservation tillage sowings of all kind of winter cereals, OSR, forage seeds and cover crops.



MODEL	N° OF ROWS	ROW SPACING MIN	TOOL BAR	WEIGHT	POWER REQUIRED	CAPACITY	
						SEED	FERTIL
		(cm)	(cm)	(kg)	(hp)	(l)	
AS 450	15	30	290/450	3600	130-150	3000	-
AS 600	20	30	300/600	4450	170-200	3000	-
AS-F 450	15	30	290/450	3650	130-150	2000	1000
AS-F 600	20	30	300/600	4500	170-200	2000	1000

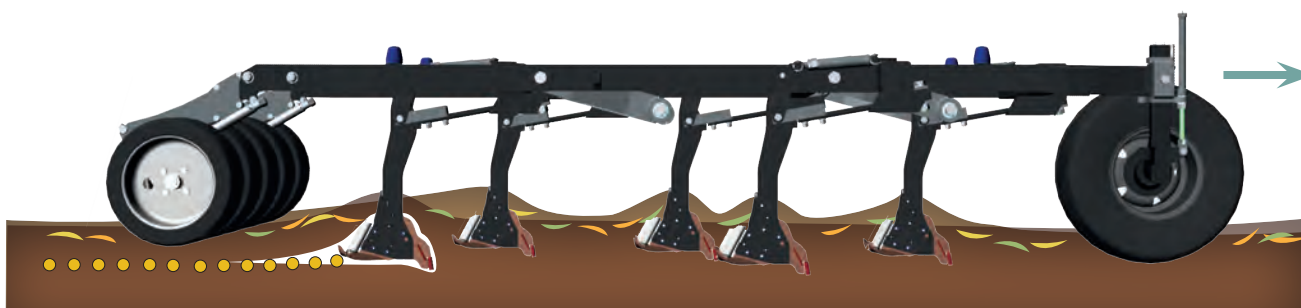


Sequence of introducing the sowing unit into the ground

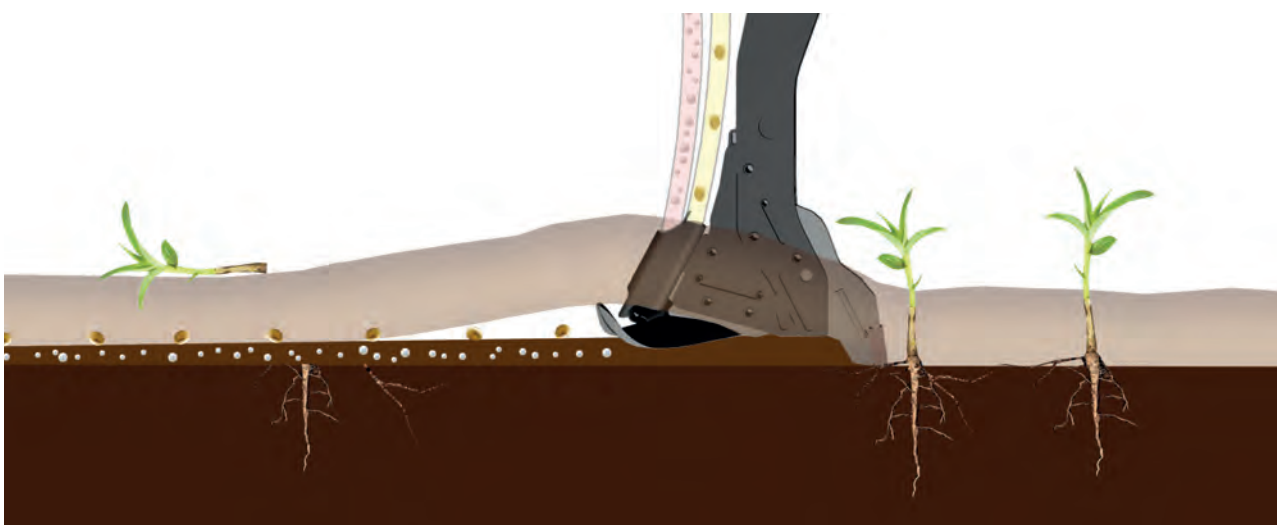


Agronomic advantages of conservative agriculture through the AS-UST seeder

- Reduction of disturbance to the soil improving the structure of the terrain and increasing the mineralisation of the organic substance, facilitating the development of organisms and other benefits.
- Protection of the ground from erosion and no waste of mineral nutrients.
- Increase in the moisture retention capacity of the soil
- Nutrient elements available from the first stage of development with subsequently less need for fertilizers in the crop growing phase.
- Better water drainage and more rapid growth of crops
- Effective mechanical control of weeds



The planting unit with little wings (patented) allows getting a furrow by raising a layer of soil. This layer then drops off over the seed after the passage of the planting unit. This technology enables the seed to be planted without any contact with soil remains. Moreover, the little wings grant an efficient mechanical weeding.



The sowing unit keeps the crop residue at the surface in order to prevent contact with the seed inside the furrow; effective mechanical control of weeds.

Advantages compared to no-till sowing with a double disc couler

Less power used and reduction in consumption

With the AS-UST seeder and at equal working widths, lower traction power is required thanks to the number of couler elements used. It is clear that less power translates into less consumption of fossil fuel.

Parts subject to wear

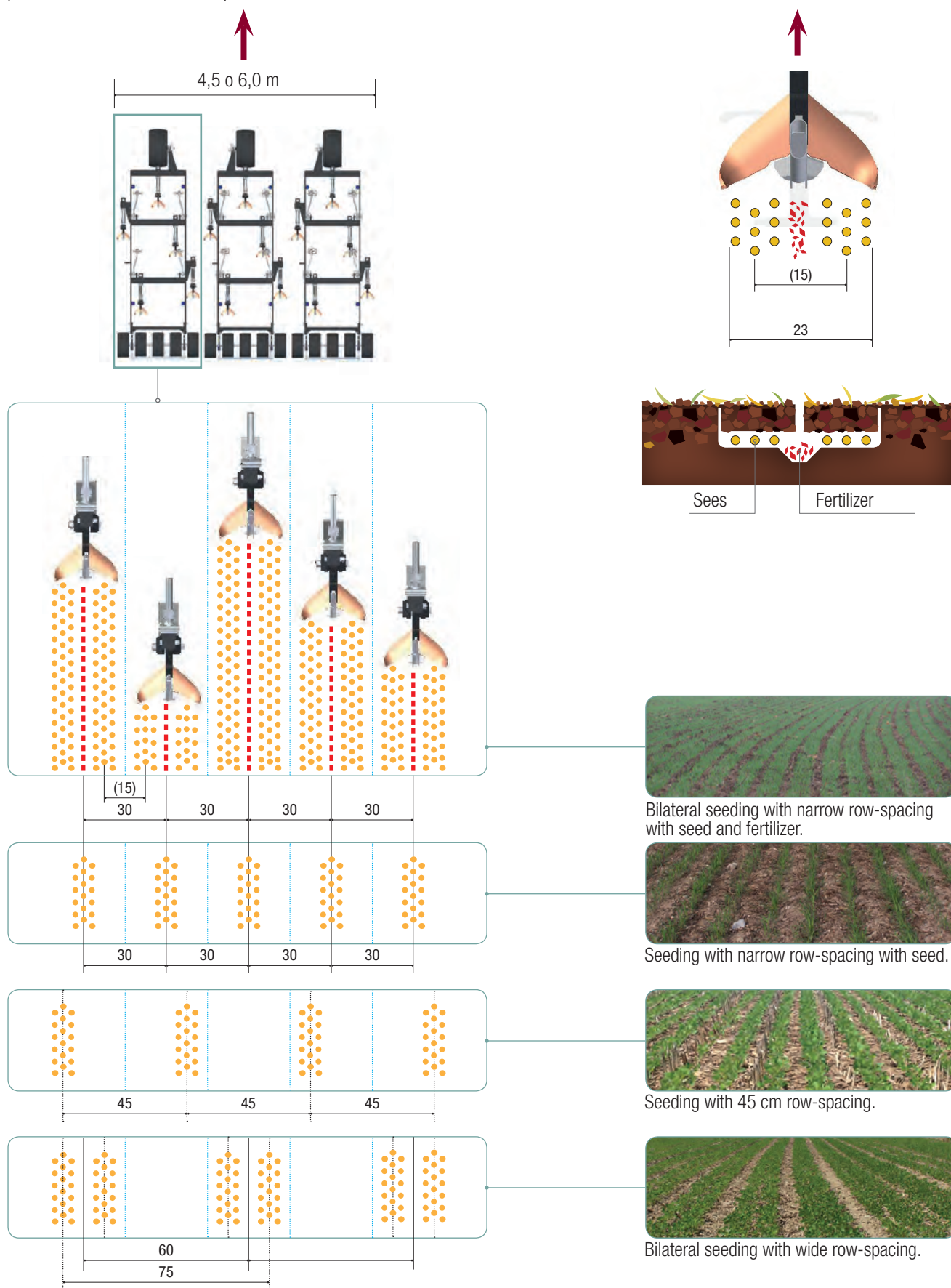
The disc seed planting system assembly subjects many working parts to wear and requires spare parts for correct machinery maintenance. Thanks to the simplicity of the construction of the AS-UST seeder couler element, only a few spare parts are required, all of which are reasonably priced.

In terms of agronomics

The no-till disc system which sows and/or cuts the crop residue with the subsequent mixing of the terrain together with seed planting limits the development of the root system and plant growth.

Row spacing available

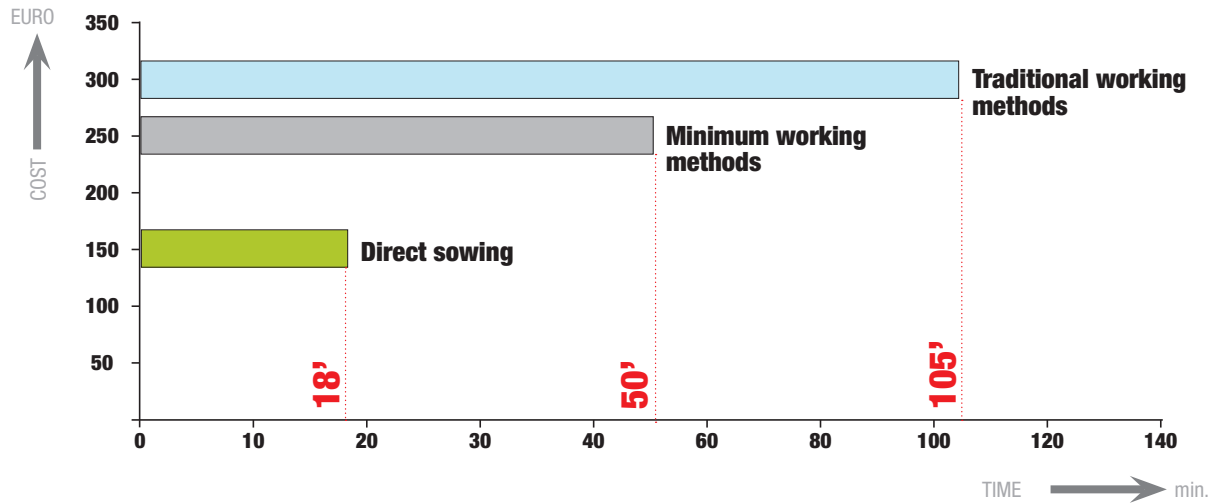
The bilateral seed diffuser and the 30 cm distance between the centre points of the coulters makes different seed row spacing possible. Below are some examples.



Version available with different row distances, obtained by the exclusion of outlets, planting metering units or planting units.

Financial advantages

Real comparisons of the test per unit/ha with the same tractor using different sowing methods



Traditional working methods

Combined ploughing, harrowing and planting, 3.0 m.



Minimum working methods

Preparation with cultivator and anchors of 3.0 m and sowing with pneumatic seeders of 4.5 m.



Direct sowing

Direct sowing with AS-UST of 4.5 m.



Financial benefits provided by the AS-UST seeder

Time

Time saved always translates into money, eliminating ploughing, harrowing, work with disc harrows and the preparation in general of the land for sowing means saving an average of 50% compared to traditional working methods and approximately 30% when compared to minimum working methods.

Spare parts

The AS-UST seeder has a maintenance cost per Ha which is extremely low thanks to the small number of parts which are subject to wear.

BIO Crops

The AS-UST no-till sowing which is also used for BIO crops facilitates the growth of the root system of specific plants.

Versatility

The versatility of the AS-UST allows most existing crops to be sown such as soya, cereals, forage, cover crop. For this reason it can be defined as a universal seeder.







ARBOS

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