

Einböck

**When weeding
is joy!**

PREMIUM TINED WEEDER AEROSTAR-FUSION

100% INDEPENDENT & CONSTANT TINE PRESSURE
TINES WITH QUICK-CHANGE SYSTEM CAN BE SWIVELLED UP
PRACTICAL, OPERATOR-FRIENDLY & DURABLE

**INNOVATION
2022**



WWW.EINBOECK.EU



PREMIUM TINED WEEDER AEROSTAR-FUSION





PREMIUM TINED WEEDER AEROSTAR-FUSION

With the AEROSTAR-FUSION premium tined weeder, you can weed standard crops (e.g. corn, soybeans, sunflowers, grains, field beans, sugar beets, etc.), ridged crops (e.g. potatoes) and special crops (e.g. vegetables, herbs, etc.) efficient and effectively. The aggressivity setting on the premium tined weeder can be adjusted hydraulically from extremely gentle (for blind weeding) to ultra aggressive (for crust breaking). The contact pressure on the AEROSTAR-FUSION is up to 6 kg / 13.20 lbs per tine. The premium weeder is an absolute superstar in the tined weeder segment in all areas, from tine arrangement, adjustment and fixing, to tyre equipment and frame construction.

The **AEROSTAR-FUSION** is one of 9 different types of weeders manufactured by Einböck. It is the fourth weeder for crop maintenance, alongside the **AEROSTAR-CLASSIC** and **AEROSTAR-EXACT** tined weeders and the **AEROSTAR-ROTATION** rotative weeder.

Model	AEROSTAR-FUSION 600	AEROSTAR-FUSION 900	AEROSTAR-FUSION 1200
Working width	6.2 m / 20.3 ft	9.2 m / 30.2 ft	12.2 m / 40 ft
Transport width	275 cm / 108.3"	300 cm / 118.1"	300 cm / 118.1"
Parking height	300 cm / 118.1"	335 cm / 131.9"	335 cm / 131.9"
Weight approx. kg / lbs	1170 kg / 2580 lbs	2100 kg / 4630 lbs	2540 kg / 5600 lbs
HP	from 80	from 100	from 120
Hydr. control units	2 double-acting	3 double-acting	3 double-acting
Mounting category	Cat. II	Cat. II/III	Cat. II/III
Sections	3	5	5
Folding	Three-part folding	Double folding	Double folding
Wheels	6	8	8
Number of tines	222	330	438
Line spacing	28 mm / 1.1"	28 mm / 1.1"	28 mm / 1.1"



STANDARD EQUIPMENT

- ✓ Closed frame design
- ✓ Tines Ø 7 mm / 0.28", 530 mm / 20.87" long – optimum compensation for unevenness in the ground, can be changed quickly and individually
- ✓ Line spacing 2.8 cm / 1.10"
- ✓ Double springs without cables arranged above the frame
- ✓ Hydr. tine setting with position display
- ✓ Torsion-resistant tine tube
- ✓ 6-row tine sections
- ✓ Hydr. transport lock
- ✓ Upper link mounted with slotted hole – for optimum adjustment on hilly terrain
- ✓ Precise depth control via the depth control wheels to the front and rear of the implement
- ✓ Rear support wheels with adjustable trailed weeder tines
- ✓ Large support wheels with ball bearings and tractor tyre profile
- ✓ Support stands (on 900 & 1200 models)

OPTIONS

P-BOX-STI up to 12 m / 39.40 ft.

JUMBO-SEED

Tines with carbide tipping

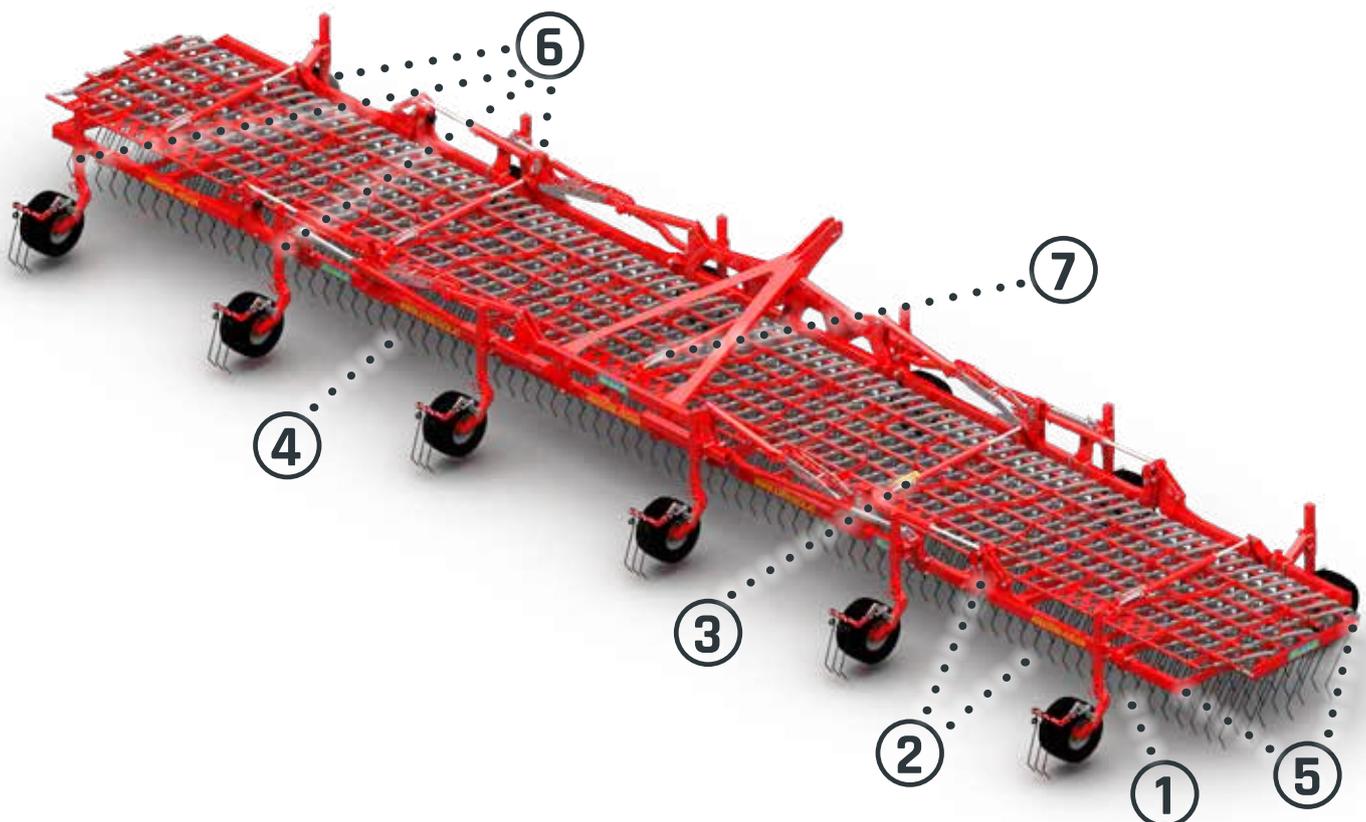
Additional support wheels

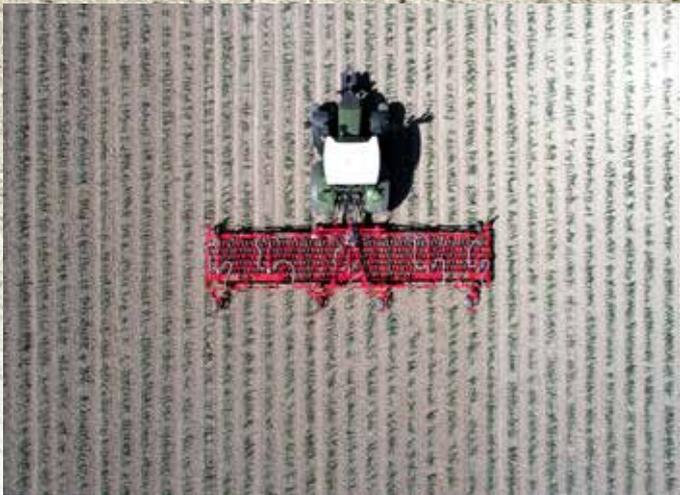
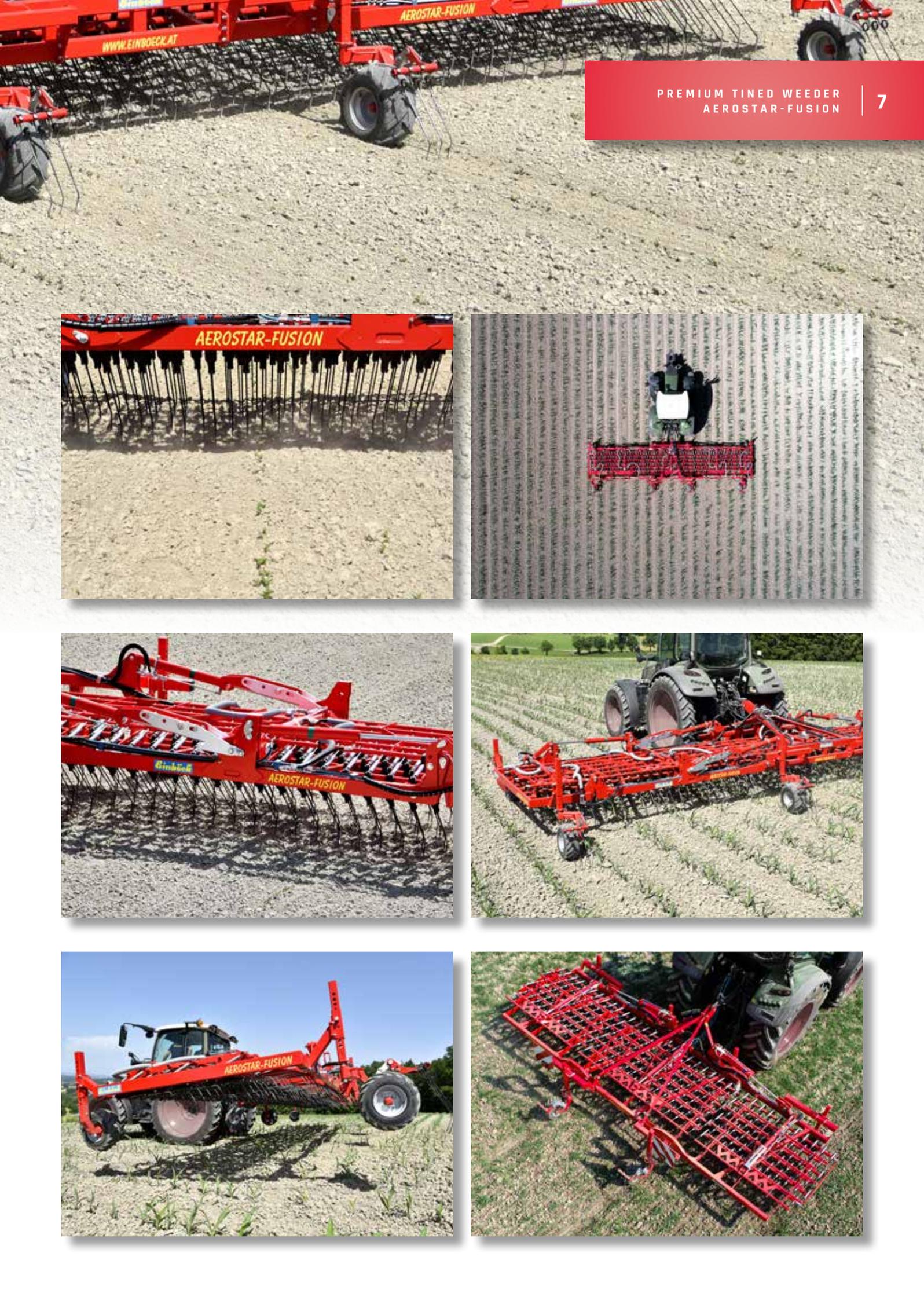
Warning signs with holder and LED lights



CONCEPT AEROSTAR-FUSION

1. Independent, indirectly spring-loaded 7 mm / 0.28" tines
2. Up to 530 mm / 21" frame clearance
3. Hydraulic aggressivity settings of up to 6 kg / 13 lbs of contact pressure per tine
4. 100% consistent aggressivity, regardless of the tine positioning
5. The premium weeder runs very smoothly due to its compact, closed frame construction
6. Individually adjustable support wheels to the rear and front of the frame
7. Simple tine adjustment in transport and working positions





ADVANTAGES AEROSTAR-FUSION

"PREMIUM" IN EVERY SENSE OF THE WORD - THE AEROSTAR-FUSION

- » Constant tine pressure of up to 6 kg / 13 lbs along the entire spring deflection
- » Big frame clearance of up to 530 mm / 21" for higher crops (e.g. corn, sunflowers, etc.)
- » Tines which can be swivelled up (transport & working positions) with quick-change system
- » Biggest possible operational reliability & precision
- » Practical, operator-friendly & durable design

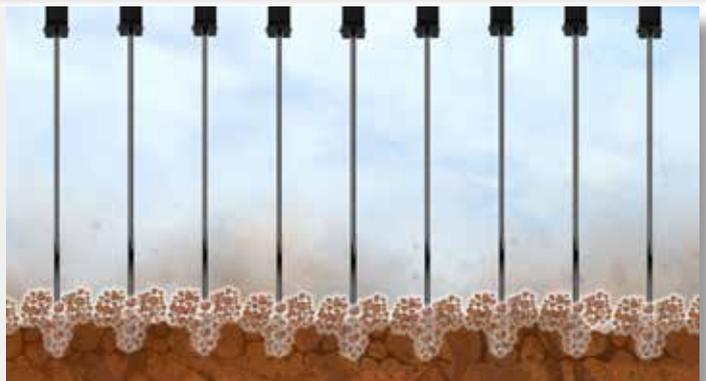


7 MM (0.28") TINES - THE PERFECT TINE THICKNESS FOR ARABLE CROPS, VEGETABLES, HERBS AND MORE

The 7 mm (0.28")-thick and 530 mm (20.87")-long tines ensure consistent, accurate and precise results. The lateral spring deflection is limited during operation by the elongated plastic holder.

28 MM / 1.10" LINE SPACING

At 28 mm / 1.10", the line spacing is optimised for ultimate precision. The coordinated ratio between line spacing and tine length also ensures excellent results with standard crops such as grains, beets, soya and corn, as well as with special and ridged crops.



UP TO 53 CM / 20.90" FRAME CLEARANCE FOR WEEDING TALL CROPS & RIDGES

The AEROSTAR-FUSION has a frame clearance of up to 530 mm / 20.87" (depending on the tine position), meaning that it is suitable for weeding higher crops and ridges too.

OPTIMISED TINE RADIUS & 10 CM / 3.94" TINE WEAR LENGTH

The tine radius has been flattened off to enable efficient, blockage-free weeding, even if there is a high amount of organic matter. This means that less material can build up in the tines. The wear length of the 7 mm / 0.28" tines is 100 mm / 3.94". Tines with rounded carbide tips are available for large farms and contractors.



LARGE BEAM SPACING FOR GOOD MATERIAL FLOW

The 6 beams that the weeder tines are mounted on are spaced far apart. This ensures a better passing of organic matter and no blockages when working with the tined weeder.

TINES WITH A QUICK-CHANGE-SYSTEM WITH NO NEED TO REMOVE THE SPRINGS

A plus point during machinery maintenance and servicing. Individual tines in the plant row can also be quickly "hung out", e.g. when working with very sensible crops.



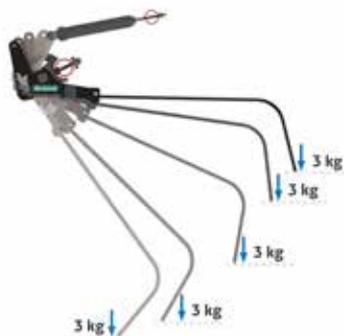
The adjustment and precision of the independently operating tines are the core feature of this premium tined weeder!



ADVANTAGES AEROSTAR-FUSION

STEADY GUIDANCE OF THE TINES THROUGH "ELONGATED" HOLDERS

The tines are mounted in the centre of the "elongated" holders, which ensure they are guided steadily and accurately. The individual tines can also be rapidly changed via a quick-change system.



PRECISELY TUNED GEOMETRY ENSURES CONSTANT AGGRESSIVITY REGARDLESS OF THE TINE POSITION

The geometry of the tines has been perfectly tuned to ensure that they always exert the same contact pressure on the soil in any position (steep, aggressive or dragging). This ensures the same level of aggressivity e.g. when working on very uneven ground or on ridges/in beds.

GENTLE WEEDING WITH THE TINES' OWN WEIGHT & MAX. CONTACT PRESSURE OF UP TO 6 KG / 13 LBS

The AEROSTAR-FUSION can produce up to 6 kg of contact pressure to weed heavily crusted and hard soils with precision. One of the AEROSTAR-FUSION's biggest advantages is that the level of aggressivity does not change when the tine position is changed. This enables the premium tined weeder to be adjusted with extreme precision and keeps the selected tine pressure 100% constant.



ADJUSTING THE TINE PRESSURE VIA THE HORIZONTAL "PARALLEL SHIFT"

The compact double frame allows the tine pressure to be adjusted without lowering the clearance.



SPECIAL DOUBLE SPRING WITHOUT A WIRE, PLACED ABOVE THE FRAME

To increase durability and facilitate servicing, the standard double springs are placed above the frame. The spring deflection is also fixed by the special Einböck wireless springs and the springs cannot "swing" upwards or "hang through".



TINES CAN BE SWIVELLED UP HYDRAULICALLY

The tine sections on the AEROSTAR-FUSION premium weeder can be swivelled up and are limited in movement towards the front. This has the following advantages:

- » No tine bending on the headland
- » Safe road transport & compact transport position
- » No hanging tines when parking the machine
- » Comfortable driving on both field and road

CLOSED AND TIDY FRAME

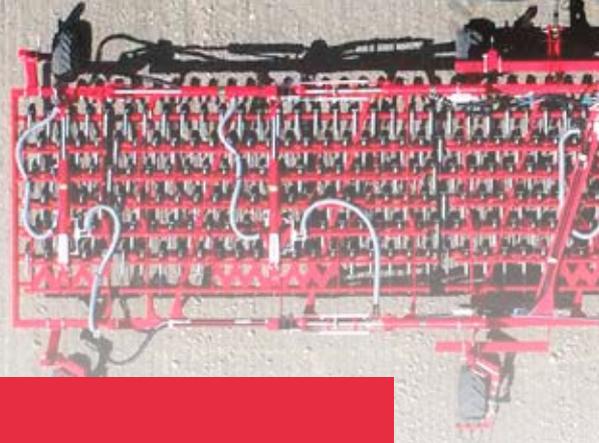
The closed, tidy frame design offers the following advantages:

- » The chassis adapts perfectly to the ground
- » Easy folding and compact transport
- » Long service life of the machine
- » Support wheels can be mounted flexible on the frame
- » Smooth running machine – even at high speeds



ADAPTABLE FRAME: RIGID OR FLEXIBLE

The tine weeder frame can be converted from rigid to flexible to enable following the ground better, particularly on slopes or on uneven surfaces.



ADVANTAGES AEROSTAR-FUSION

VERY SMOOTH-RUNNING MACHINE

Even at high speed or working at uneven fields, the frame design ensures that the machine runs very smoothly. This means there is no build-up of vibration on the AEROSTAR-FUSION, which significantly increases the machine's service life.



HYDRAULIC HEADLAND SETTING

The wings can easily be folded up at the headland. This ensures a comfortable and safe turning at the headlands.

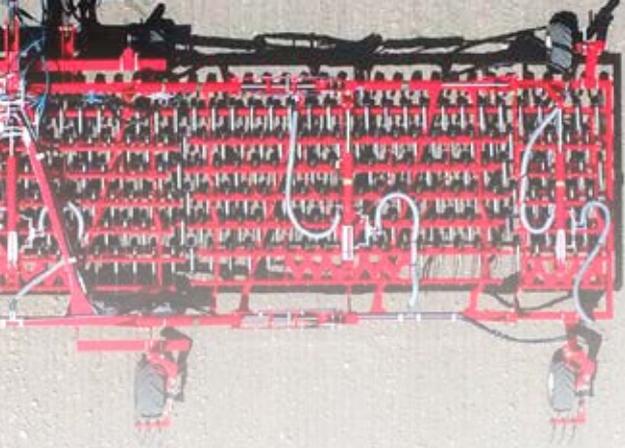
SUPPORT WHEELS WITH TRACTOR TYRE PROFILE

All support wheels are fitted with a tractor tyre profile what cleans them easier and ensures a tidy operation. In addition, the this profile leaves a rough surface and does not press the soil firmly. Thus, the following weeder tines of the rear support wheels can work better and the soil is worked through completely. For larger working widths, the wheels on the wings are automatically swivelled in during the folding process, so there's no need to leave the cab.



SUPPORT WHEELS MOUNTED BEHIND THE TRACTOR TYRE TRACKS

The position of the front support wheels can be adjusted to follow the tractor tyre tracks precisely. This enables a smooth run of the AEROSTAR-FUSION. Furthermore it prevents further tracks being made in the field too. The support wheel position is infinitely adjustable thanks to the special adjustment rail. This enables the wheels to be quickly adapted to different row spacings, crops and ridges.



PIVOTING REAR SUPPORT WHEELS

The pivoting support wheels at the rear of the implement ensure that the machine runs smoothly (especially at high speeds), even on bends. The wheels lock into the middle position as early as the implement is being raised to ensure that the wheels do not swivel when lifted. Moreover the wheels can always be set down "in the middle" behind the machine when at the headland.



Practicality, operational reliability under a wide range of different conditions and a large number of individual technical solutions characterize the AEROSTAR-FUSION!



OPTIONS AEROSTAR-FUSION

P-BOX-STI UP TO 12 M / 40 FT.

The pneumatic seeder P-BOX-STI, for seeding intercrops can be mounted on all AEROSTAR-FUSION models up to a working width of 12 m / 40 ft. It is mouned as close as possible to the tractor to ensure that the machine's centre of gravity does not shift too far back. A 500 l tank can also be installed upon request. (Available from autumn 2023)



JUMBO-SEED

For large implements and higher seeding rates, a JUMBO-SEED pneumatic front tank with its SPEED-TRONIC control unit can be mounted onto the front hydraulics instead of a P-BOX pneumatic seeding box. (Available from autumn 2023)

TINES WITH CARBIDE TIPPING

For large farms and contractors, carbide-coated tines with rounded tips are available as an option. These massively increase the service life of the tines and reduce the need / time taken for maintenance.



ADDITIONAL SUPPORT WHEELS

Additional support wheels are available as an option in case they need to be added to the outer wings (e.g. on hilly terrain), for example.



WARNING SIGNS WITH HOLDER AND LED LIGHTS

These can be added to the front and rear of the implement.



With the AEROSTAR-FUSION, we now have 9 different models in our range of weeders. As the largest supplier and the world's top manufacturer of weeding technology, we can offer each of our customers the ideal solution for their farm.



Related brochures regarding "organic farming & mechanical weed control":

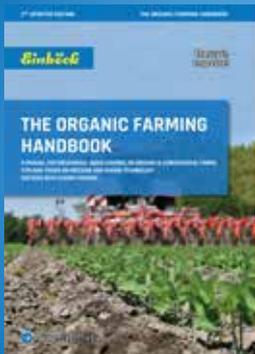


WEEDING TECHNOLOGY

- » Tined weeder
AEROSTAR-CLASSIC
- » Precision tined weeder
AEROSTAR-EXACT
- » Rotative weeder
AEROSTAR-ROTATION

HOEING TECHNOLOGY

- » Row-crop cultivator
CHOPSTAR
- » Rollstar cultivator
ROLLSTAR
- » Camera steering system
ROW-GUARD
- » Rotary hoe
ROTARYSTAR



ORGANIC FARMING

- » Guide for mechanical weed control
- » Tips and interesting facts about weeding and hoeing technology
- » With FUSION FARMING to success

PRODUCT PROGRAM

- » Crop-care
- » Tillage
- » Grassland-care
- » Seeding & fertilizing



EINBÖCK



Einböck GmbH
Schatzdorf 7
4751 Dorf an der Pram
Austria

+43 7764 6466 0
+43 7764 6466-390
info@einboeck.at

Technical changes and mistakes are subject to change without prior notice!

In order to introduce the benefits of our continuous product development, we reserve the right to make technical changes without prior notice. Printing and typesetting errors or changes of any kind do not entitle the customer to any claims. Individual equipment specifications, which are illustrated or described here, are only available as options. In case of contradictions between individual documents regarding the scope of supply, the information in our current price list shall apply.

All pictures are symbol pictures and may contain options which are available for an additional charge. For further information please contact our sales team.