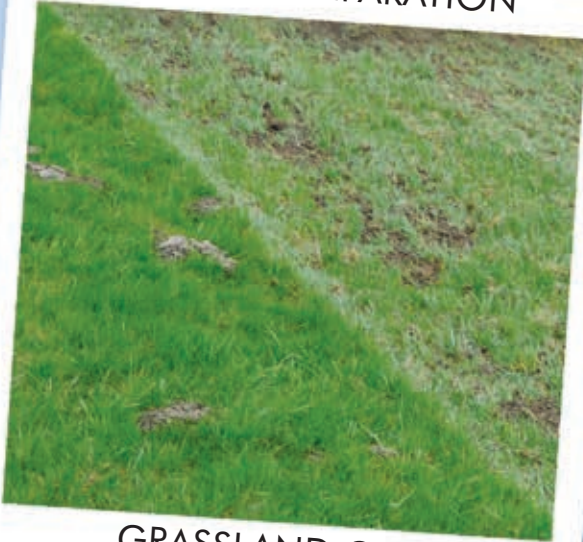


Einböck

PRODUCT PROGRAM



SEEDBED PREPARATION



GRASSLAND CARE



MECHANICAL WEED CONTROL



MINIMUM TILLAGE



IN USE **WORLDWIDE**

This brochure gives an overview of the most important Einböck machines for tillage and grassland care. To each machine, there is a detailed leaflet in printed form and also as pdf-Download on the website www.einboeck.at



In our over 80 years of company history we have continuously expanded our product range. Technical innovation and superior product quality were and are in our philosophy the first priority.

Today Einböck is a global operating company with a quality guarantee for: superior know-how, state-of-the-art production and first class products. Our machines provide years of service life even under extreme conditions.

Einböck offers a wide product range from grassland care to minimum tillage. As a reliable partner for the growing challenges in the agricultural sector we strengthen the competitiveness of our customers with our products. Individually tailored to your needs our machines increase your performance and make you fit for the future.

Whether high-tech or functional base technology – we have always focused on the needs of the farmers. A fair and trustful relationship is part of our principles of success. Your satisfaction is our motivation.

With this product program we give you an insight into the world of Einböck, a world of better tillage!

Leopold Einböck



PRODUCT PROGRAM

PAGE

working depth

GRASSLAND CARE RESEEDING
AND UNDERSEEDING

MECHANICAL WEED CONTROL

SEEDBED PREPARATION

SEEDING TECHNOLOGY

MINIMUM TILLAGE

GRASS-MANAGER, -PRO MACHINE FOR GRASSLAND CARE	4, 5	2 - 3 cm 0.8 - 1.2"					
PNEUMATICSTAR RESEEDING AND UNDERSEEDING MACHINE	6, 7	2 - 3 cm 0.8 - 1.2"					
PNEUMATICSTAR-PRO MACHINE FOR GRASSLAND CARE, RESEEDING, UNDERSEEDING	8, 9, 10	2 - 3 cm 0.8 - 1.2"					
SPORTSTAR MACHINE FOR SPORT TURF CARE	11	2 - 3 cm 0.8 - 1.2"					
AEROSTAR TINED WEEDER	12, 13	2 - 5 cm 0.8 - 2"					
AEROSTAR-EXACT TINED WEEDER	14	2 - 5 cm 0.8 - 2"					
AEROSTAR-ROTATION ROTATIVE WEEDER	15	2 - 5 cm 0.8 - 2"					
ROTARYSTAR ROTARY HOE	16	2 - 5 cm 0.8 - 2"					
ROW-GUARD CAMERA STEERING SYSTEM	17	-					
CHOPSTAR 20-30 cm ROW-CROP CULTIVATOR	18	2 - 5 cm 0.8 - 2"					
CHOPSTAR 25-59 cm ROW-CROP CULTIVATOR	19	2 - 5 cm 0.8 - 2"					
CHOPSTAR 60-90 cm ROW-CROP CULTIVATOR	20	3 - 8 cm 1.2 - 3.1"					
CHOPSTAR 91-150 cm ROW-CROP CULTIVATOR	21	3 - 8 cm 1.2 - 3.1"					
ROLLSTAR ROW-CROP CULTIVATOR	22	2 - 5 cm 0.8 - 2"					
HILLSTAR RIDGER FOR HILL CROPS	23	-					
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EXTREM SEEDBED COMBINATION	28, 29	2 - 5 cm 0.8 - 2"					
P-BOX-MD, -ED, -STI PNEUMATIC AIRSEEDER	30, 31, 32	-					
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ROTOSEEDER UNIVERSAL SEEDER	34	-					
FRONT-STAR / FRONT-SPIKE UNIVERSAL FRONT ROLLER	35	2 - 5 cm 0.8 - 2"					
TAIFUN UNIVERSAL FINE CULTIVATOR	36, 37, 38	4 - 15 cm 1.6 - 5.9"					
HURRICANE UNIVERSAL MULCH-TILL CULTIVATOR	39	6 - 25 cm 2.4 - 9.8"					

Increase forage quality



YOUR MEADOWS SAY THANKS

- 1,5 m wide, pivoted weeder sections for optimal adaptation to the ground contours
- When taking away the stop bar the side wings can follow the contours of the land surface
- Depending on the soil conditions there are different tines available
- Working widths between 1.5 and 12 m / 4.9 and 39.4 ft
- Transport width for all machines less than 3 m / 9.8 ft
- The GRASS-MANAGER with a pneumatic seeder box mounted is called PNEUMATICSTAR, the GRASS-MANAGER-PRO is then called PNEUMATICSTAR-PRO
- Hydraulic tine adjustment (option)
- For small molehills which appear in a limited number, grassland sheets (bolted directly to the tines) can be used (only for 8 mm / 0.32" tines)



GRASS-MANAGER-PRO

The GRASS-MANAGER-PRO is the solid version of the GRASS-MANAGER. With its massive frame, a heavy triangular, spring loaded leveling board and a hydraulic level compensation of the sections this machine is perfectly suited for high demands.



FRESH AIR FOR YOUR GRASSES



GRASS-MANAGER

Even on healthy and balanced grassland an annual maintenance is absolutely essential. The long established grassland weeder GRASS-MANAGER is especially designed for that purpose. It aerates and dethatches the turf and stimulates the plants at the tillering. Further it crushes plants residues and manure and mixes the material. Conventional devices for towing perform these tasks poorly. The tines are designed for long life and can be adjusted in the working angle. Due to their design they have always contact to the ground, also on uneven terrain. The GRASS-MANAGER is made for high working speeds and thus very effective. It can be equipped with leveling boards to even molehills. The support wheels are running in front of the weeder sections and ensure an accurate guidance.



FOR A STRONG TURF

- 1.5 m / 4.9 ft wide, pivoted weeder sections for an optimal adaptation to the ground contours
- Nearly every kind of seed can be distributed
- Working width 2-12 m / 6.6-39.4 ft
- Support wheels for smooth operation
- 300 liters / 8.5 bu / 10.6 cu-ft seed tank volume
- Central lever for adjustment of the tine angle per section
- Special shaped deflector plates for exact distribution of the seeds
- Steps for easy filling of the seed tank

Many options are possible:

- Spring mounted leveling plates
- Bigger seed tank
- Hydraulic tine adjustment

EFFICIENT GRASSLAND MANAGEMENT

To retain or improve the quality of green fodder, annual maintenance is needed. The PNEUMATICSTAR is the ideal machine not only for cultivating the pasture but also for under- and overseeding.

Particularly in times of intensive grassland farming several grasses have no chance to reproduce themselves. As a result gaps in the turf are overgrown by unwanted grasses like rough meadow grass (*poa trivialis*) or weeds. Therefore it is important to close these gaps in the pasture with valuable grass seeds. Further the composition of the grass stock is regulated via the reseeding.

In addition to the reseeding of grassland the combination of tine weeder and air seeder can be used to underseed into grain or maize fields. Undersown crops have a significant impact on the health and fertility of the soil. The special shaped tines with a line spacing of 2.5 cm / 1" dethatch the turf and ensure ideal conditions for germination.



Grassland care and reseeding without compromise



PNEUMATICSTAR



developed by professionals for professionals



WITH INNOVATION TO **PERFECT GRASSLAND**

- The pressure on the weeder sections can be adjusted via the hydraulic level control
- Almost any seed can be distributed
- Ideal for dethatching the turf
- 10 mm / 0.4" tines available for extreme conditions
- Transport width 3 m / 9.8 ft
- Simple and quick central tine adjustment
- Many extras available



GREEN LIGHT FOR LUSH GRASSES

The weeder sections are, like on the PNEUMATICSTAR, 1.5 m / 4.9 ft wide and pivoted. To better adapt to the uneven ground, the fields have a hydraulic leveling system. The 8 mm / 0.32" thick tines are mounted on 6 torsion-free pipes with a line spacing of 2.5 cm / 1".



PNEUMATICSTAR-PRO

The PNEUMATICSTAR-PRO is a professional machine especially designed for reseeded of grassland. The 3, 6 or 12 meters / 9.8, 19.7 or 39.4 ft wide machine has a massive frame, on which a heavy, triangular, spring loaded leveling board is mounted. It was especially designed for the leveling of molehills and therefore it is adjusted "on hold". Unlike with most leveling boards, the soil is lifted and spread loose in the turf and the soil pores do not get smudged. The support wheels are mounted behind the leveling board. This causes a smooth guidance also with high working speed.

Grassland weeder for big areas



PNEUMATICSTAR-PRO 1200



INCREDIBLY POWERFUL

The new PNEUMATICSTAR-PRO with 12 m / 39.4 ft working width is a quantum leap in the matter of efficiency and flexibility. EINBÖCK, the specialist for weeding technology and grassland care, ensures perfect copying of the soil contour over the full working width with the flexible frame of the new machine for professionals.

The chassis in combination with the already known technical features of the grassland weeder provide an incredibly efficient machine.

Happy Greenkeeper



SPORTSTAR

Sporty ambitions

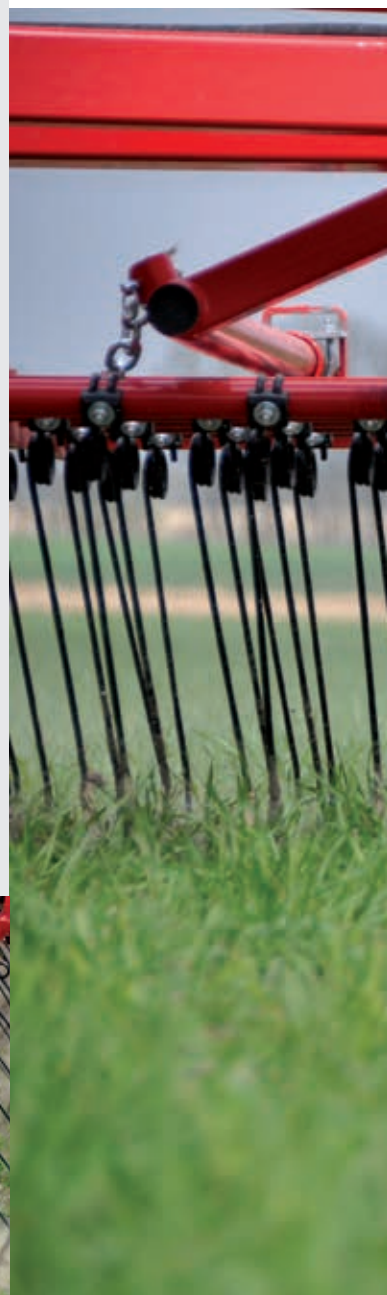
- Can be equipped with a P-BOX for reseedling
- Working widths 1.5-6 m / 4.9-19.7 ft
- Shorter tines for a more aggressive operation
- Overload protected leveling plate (as option)
- Central tine adjustment in 5 positions
- Farmflex-rolls (as option)

Whether a sport field, a golf course or a garden – the green has to be tough, needs a thick turf and last but not least it has to look attractive. It goes without saying that such areas require a professional care. The SPORTSTAR is the ideal machine for this duty. Its tines are smooth to the turf and aggressive against weeds. With a line spacing of 1.3 cm / 0.05" the full surface of the turf is entirely aerated and dethatched. An optimal ground contact, also on uneven golf courses, is ensured by 1.5 m / 4.9" wide pivoted weeder sections which are guided via support wheels. The tines have a special design which allows them to adapt to the surface of the soil very flexibly without breaking. Nevertheless, if in an exceptional case a tine breaks it is standard equipped with a loss protection.

WEEDING

REGULATES THE WATER BALANCE

- Stable profile tube frame
- Support wheels for an optimal soil adaptation
- Central adjustment of tine angle (optional hydraulically)
- Line spacing 2.5 cm / 1"
- Working widths 1.5-15 m / 4.9-49.2 ft mounted and 18-24 m / 59-79 ft trailed
- Suitable for all crops
- Machines with large working width strengthened by triangular support braces



SUCCESSFUL **FOR DECADES**

The proven tined weeder AEROSTAR is well suited for crop maintenance and a great alternative to chemical weed control. Effects like soil aeration, support of tillering and regulation of the water balance make the AEROSTAR to an indispensable part of an economic and sustainable agriculture.



AEROSTAR

The weeder is built up in 1.50 m / 4.9 ft wide, swiveling sections for an ideal ground contact. The success is based on the special formed tines made of cold drawn spring steel wire. Arranged on six torsion-free tubes there are 60 tines per section. That makes a line spacing of 2.5 cm / 1". Depending on different types of soil there are different versions of tines available. The tine angle is adjustable in five positions. The transport width is smaller than 3 m / 9.8 ft because of a sophisticated folding system.



AEROSTAR-EXACT

EXACT WEEDING TECHNOLOGY PRECISELY AT THE POINT

- Intensive fighting of weeds
- Long tines for exact adapting to the soil surface
- Tines adjusted "on hold"
- Fixed sections and support wheels at the front and the rear ensure exact depth control
- Hydraulic tine adjustment
- Line spacing 2.5 cm / 1"
- Working width 3-12 m / 9.8-39.4 ft

Exact, sensitive and precise – these points are requested from modern weeding technology – especially when working in special crops. The AEROSTAR-EXACT has 600 mm / 23.6" long, angled tines with 7 mm / 0.28" diameter which copy the soil surface perfectly. They allow weeding in a late stage of crop growth. Swivel-wheels at the rear of the weeder ensure exact depth guidance of the tines. The 1.5 m / 4.9 ft wide sections of the weeder are connected firmly to the frame. This ensures smooth operation and allows exact adjustment of the weeder. With this equipment the weeder can work in row crops already in the seed leaf stage. The hydraulic adjustment of the tine angle also acts as a pressure and level regulation for the weeder sections. In aggressive adjustment with the tines adjusted "tip forward of the bend" the weeder can still break up hard crusts without harming the crop.



The AEROSTAR-ROTATION combines the advantages of a tined weeder and a rotary hoe. Compared to a usual tined weeder the AEROSTAR-ROTATION achieves a higher level of weed control. Rotating working tools unroot weeds, encourage tillering and crack even hard soil crusts without any problems. This machine is also very well suited for higher residue conditions and slightly moisture soil.

The hydraulic pressure adjustment allows anything from full pressure on the star wheels to no pressure. No pressure allows the wheels to float. Therefore the machine is perfectly suited for difficult soil conditions and sensitive special crops. A level seedbed preparation is necessary for low pressure operation.

An effective use of the machine is also possible in a late growth stage, because the rotating wheel does not push down any plants, but releases them. The inclined star wheels also have a better effect in the rows.

ROTATIVE WEEDER WITH WIDE RANGE OF APPLICATION

- Works with heavy residues - perfectly suited for minimum-tillage
- Optimally suited for difficult soil conditions and sensitive special crops
- Total treatment over the whole working width by inclined mounted star wheels
- Automatic pressure and level control for an even aggressivity over the full working width
- Compact shear retraction at 9.00 m / 29.5 ft and 12.00 m / 39.4 ft machine



High Speed Performance

With its rotating working tools (rotary stars) the Einböck ROTARYSTAR is a reliable tool to break hard crusts caused by heavy rain. The soil is aerated and plant growth supported. Extreme productivity can be achieved with high operational speed between 12-25 km/h - 7.5-15.5 mph. The ROTARYSTAR can work in many different crops.

Also in mulch-till-crops the rotary hoe operates very efficiently, as the working tools do not collect residue. The stars are pre-tensioned with springs and mounted on 1.5 m / 4.9 ft wide, 2-row sections. Via a hydraulic parallelogram the pressure on the sections can be adjusted during operation. The line spacing of 9.4 cm / 3.7" between the stars and the high working speed guarantee working of the full surface. There is no chance for shallow rooting weeds!



ROTARYSTAR

PERFECTION **IN DETAIL**

- High productivity
- Breaking of crusts and crumbling the soil
- Hydraulic pressure- and level control
- Versatile through perfect adaptation
- Ideal to fight weeds in mulch-till crops
- Working width 3-6.4 m / 9.8-12 ft

Important for the success of mechanical weed control in row crops is not only an effective operation in between the rows, but also in between the plants. To achieve this, exact guidance of the hoe is essential. The precision camera steering system ROW-GUARD ensures constant precision during operation, even in high working speed.

WITH THE CAMERA ROW BY ROW **STRAIGHT TO THE POINT**

Reliable guard for row crops

- Wide movement range of total 500 mm / 19.7"
- Guide shaft with big diameter, made from high-strength, coated material
- Camera with 2 lenses with different exposure settings for improved operation
- Operation in different green crops, independent from row spacing, number of rows, etc.
- Easy, operator friendly adjustment to the various row crops



The camera steering system ROW-GUARD steers inter-row crop cultivators precisely through the rows and supports the operator. The tractor driver only needs to concentrate on driving in the correct row, the exact guidance of the cultivator is done by the precision steering system.

All adjustments are done through the terminal in the tractor cabin. The camera looks at the crop rows directly in front of the hoe. This picture is analyzed considering the information configured through the terminal. Taking this data into account the hoe is centralized above the rows by the hydraulic sideshift frame.

EFFICIENT **CULTIVATING**

The spring tine row crop cultivator CHOPSTAR is a wheel guided machine, which can be compiled individually for almost all kinds of row crops. Row spacing between 20 cm to 150 cm / 7.9" to 59" is possible. Depending on the row spacing there are different hoe-elements available:

20 – 30 cm / 7.9 – 11.8" (e.g. grain)
25 – 59 cm / 9.8 – 23.3" (e.g. beet or soybean),
60 – 90 cm / 23.6 – 35.4" (e.g. maize or potatoes),
91 – 150 cm / 35.8 – 59" (e.g. pumpkin or cauliflower).

Protection plates or protection discs for small plants are available. For bigger plants they can easily be lifted up or demounted, so the machines can be used for hilling.

Why mechanical instead of chemical weed control?

- Increasing herbicide costs
- Herbicide-resistant weeds
- Growing awareness of environmental care
- Mechanical cultivation improves the soil
- Advanced technology of row crop hoes
- Interrupting the capillary effect



CHOPSTAR 20-30

12-32 ROWS

customized solutions



CHOPSTAR 25-59



2-24 ROWS

Digging quickly into the soil and exact depth control guarantee success.

Depending on the number of rows there is an upper-link steering mounted on rear mounted CHOPSTAR machines. It controls two high-gauge wheels and improves the guidance of the cultivator especially in curves and when working in hills.

Frame variations

- Front-mounted rigid
- Front-mounted hydraulically folding
- Rear-mounted rigid with upper-link steering
- Rear-mounted hydraulically folding with upper-link steering
- Rear-mounted machine with double folding for reduced transport width

STRONG FRAMES FOR HIGH LOADS

The frame, which the hoe element parallelograms are mounted to, is available rigid or hydraulically folding - mounted front or rear.

Easy and fast adjustable

The special profile tube frame used by Einböck allows the possibility to mount the hoe element parallelograms with only one clamping lever in nearly all row spacings.



CHOPSTAR 60-90



2-12 ROWS



CHOPSTAR 91-150

2-3 ROWS

The working depth of each hoe element is infinitely variable adjustable via the Farmflex wheels. The wide parallelograms are equipped with an adjustable retraction support.

By turning the hoe elements 180° a rear mounted machine can be converted to a front one with little efforts. With pushed parallelograms the machine is very close to the tractor and therefore more precisely steerable.

Optional equipment CHOPSTAR

- Fingerweeder made from special plastic for improved weed control in the row – aggressive to the weed and sensitive to the crop
- Tine leveler – roots of pulled out weeds get cleaned from soil
- Hilling elements
- Hydraulic steering support
- Automatic-camera-guidance
- Fertilizer distributor made from stainless steel (for rigid machines)

hoeing brings success

EFFICIENT **HOE-STARS**

The roll-star hoe ROLLSTAR consists of star-like discs and it is mostly used in light soils. The roll-star hoe is suited for a row spacing of 30 – 150 cm / 11.8 – 59". Depending on the row spacing the machine can have 2 – 12 rows. Pre-loosening tines support the job of the hoe-stars. As the stars can be pivoted horizontally and vertically, the soil flow can be directed towards or away from the crop, in this way dams can be maintained. The guidance of the working depth is adjusted like on the row crop cultivator CHOPSTAR via a Farmflex wheel.



Optional equipment ROLLSTAR

- Front-mounting frame with support wheels
- Fertilizer distributor (for rigid machines)
- Fertilizer distributor JUMBO for foldable machines
- Hill-weeder tines for weed control on potato hills
- Hydraulic steering support

Efficient dam-maintenance



Gentle to the crop

- Pre-loosening tine with 180 mm / 7" sweep
- Adjustable angle of the discs
- High-quality, maintenance free disc bearing
- Parallelogram guided dam-weeder (option)
- Hydraulic steering support (option)



PERFECTLY FORMED DAMS

The ridger HILLSTAR maintains dams which have been harmed by erosion, to support growth of the roots of the crop. A well-established root-structure is basis for growth and a good yield of the crop.

A pre-loosening tine opens the ridge and the angled discs push up the soil. The big, concave discs have a straight edge, therefore they do not harm or damage roots close to the surface. They are mounted on a high-quality, maintenance-free bearing and can be adjusted in position and angle. The HILLSTAR is available from 2 to 12 rows. An optional dam weeder controls weeds.

LONG REACH

Nurse crops have a lot of positive effects, especially in row crops like maize. For medium- to big farms the front tank JUMBO has the economical advantage, that fertilizer or seeds can be distributed in one operation during inter-row crop cultivation.



JUMBO

Increased productivity because of high volume

- 1500 litres / 42.5 bu / 53 cu-ft tank volume
- Frame and seeding unit made from stainless steel - painted
- Hydraulic fan

- Large ground wheel with hydraulic lifting
- Infinitely variable gearbox to adjust the seeding rate
- Agitation shaft (can be switched on/off)
- Rotary air lock (only needed for big working width)

The combination of front tank and rear mounted implement provides ideal weight distribution during transport, reduces the number of necessary operations and reduces ground pressure. Depending on the number of rows up to 4 seeding units are available, which are driven by a ground wheel. Adjustment of the seeding rate is done simply via a handle. The fertilizer or seeds are blown to the distribution heads by a strong hydraulic fan. For long transport distance the front tank is equipped with a rotary air lock.

CHOPSTAR-SEEDER



COST EFFICIENT SEEDING TECHNOLOGY

The row crop drill CHOPSTAR-SEEDER was especially developed for seeding legumes in rows, but also for other row crops in drill seeding. The transport and the dosage of the seeds is done by the front tank JUMBO.

The CHOPSTAR-SEEDER is flexible to use, because without any problems you can mount the hoe elements from the CHOPSTAR row crop cultivator program to the profile tube frame. So you get a wholesome row crop cultivator. Combined with the front tank you can use it additionally as fertilizer distributor.

- Ideal weight distribution with front tank and rear mounted machine
- Big tank, 1500 l / 42.5 bu / 53 cu-ft
- Big dosage units for large amounts of seeds
- Front tank can also be used for other works
- Precise sowing depths under all conditions through big parallelograms with retraction support
- Twin pressure wheels for reconsolidation



*versatile**solid**effective*

- All models with more than 3.3 m / 10.8 ft working width fold hydraulically to a transport width of less than 3 m / 9.8 ft
- Stable frame with a massive 3 point mounting strutted towards the rear
- Rubber support wheels (option)
- Different spring tines and different line spacings available
- Working widths 1.9-12.1 m / 6.2-39.7 ft
- Front roller at 4-beam-version optional
- VIBROSTAR 4-1210 version with chassis
- Tine leveler (two tine rows) with rubber wheels instead of the rear roller optional
- For the VIBROSTAR with 5 rows of tines there is a VIBROBOARD available (optional)



VIBROSTAR





SOLID TECHNOLOGY HUGE EFFICIENCY

The spring tine universal seedbed combination VIBROSTAR is especially designed for light, middle, heavy and stony soils.

The fields of usage of the VIBROSTAR range from seedbed preparation via working in of wintergreen to second stubble cultivation. With a line spacing of 10 cm / 3.9" it makes a leveled, loose and crumbly soil surface which provides the best conditions for the following seeding.

To meet different conditions the spring tine cultivator is available with 4 or 5 beams. The version with 4 beams is also available with a front roller which shows very good results in areas with wintergreen.

A height adjustable leveling plate ensures a plane surface in order to guide the working tools very smoothly.

For an optimal crumbled and reconsolidated soil there is a big variety of rollers available. The adjustment of the working depth is done via a half-hole breadboard.



compact and proven



FREQUENTLY
IN ACTION
WELL-CONCEIVED
TILLAGE CONCEPTS

- Three different tine-sections are available (mini tine straight, special tine straight, harrow tine)
- The solid frame transfers additional weight to the rear rollers
- Harrow tine section instead of rear rollers „harrow-harrow“
- Working widths 5-8 m / 16.4-26.2 ft

EXTREM



Seedbed preparation with the classical combination is still of great importance, especially when efficiency and economic use plays an important role. The proven, robust and technically mature combination seed-harrow EXTREM is suitable for all different types of soil and offers a big variety of optional equipments. The machine is available with harrow sections (48 mm / 1.9" line spacing), with mini seedbed sections (64 mm / 2.5" line spacing) or with special tine sections (100 mm / 3.4" line spacing).

All machines have an automatic final position locking of the side wings in working position, so the surface is leveled out very well. The side wings adapt to the terrain contours. Due to the 2-row crumbler the surface is made crumbly, reconsolidated and germinable. Because of the hydraulic folding system the transport width of all models is below 3 m / 9.8 ft.

innovative seeding technology

P-BOX-MD

mechanic drive

With the pneumatic air seeder P-BOX-MD many different kinds of seeds can be distributed.

The P-BOX-MD can be mounted easily and fast to any machine (tined weeder, cultivator, row crop cultivator ...). The dosage of the seeding amount is done via a variable oil-immersed gearbox and is adjusted by a lever in a fine matrix. Depending on the model, seeds and seeding quantity working widths up to 12 m / 39.4 ft are possible.

The seeding roller is driven by a rubber support wheel or spur wheel which is connected to the gearbox via the flexible drive shaft. The standard seeding roller has eight divided and separated seeding sections. From these sections the seed is brought pneumatically via PVC-hoses to the special shaped deflector plates with splash guards.

The air stream is, depending on the model, produced electrically, mechanically via PTO or hydraulically. Seed tanks 300 l / 8.51 bu / 10.60 cu-ft or 500 l / 14.19 bu / 17.66 cu-ft..



- A stirring shaft prevents separating of seed mixes as well as bridging in the tank
- One seeding roller with fine and one with coarse toothing are part of the standard equipment
- Depending on the working width and on the position of the deflector plates (max. distance 75 cm / 30") the number of outlets can be doubled via splitters and on the other hand the number of outlets can be reduced by using special seeding rollers
- For heavy seeds a retaining plate is recommended
- Slider for fast and total emptying of the seed tank
- Electronic monitoring unit ETRONIC (option):
 - Changing the seed amount electronically during operation
 - Sensor monitoring
 - Calculate operation areas in hectares
- High distribution accuracy even in windy conditions and on hills
- Electronic hectare counter (option)

for innovative management concepts

P-BOX-ED

electric drive



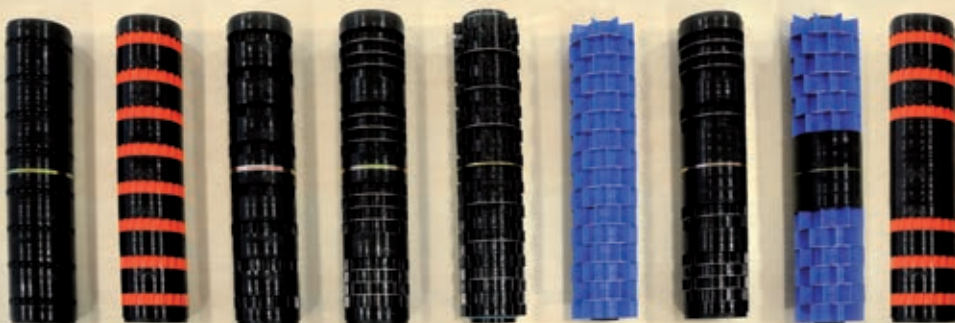
HIGHEST PRECISION FOR **PERFECT SEEDING**

The difference between P-BOX-MD and P-BOX-ED is the type of seeding roller drive.

Unlike on the P-BOX-MD the seeding roller of the P-BOX-ED is powered by an electric motor. The electric motor will always turn at exactly the speed it has been set to, regardless of the resistance on the seeding roller through the stirring shaft (pressure from the seeds). This requires, that working speed and theoretic speed chosen at calibration must match. On the other hand mounting of a rubber support wheel or a spur wheel is not necessary, what could be complicated on some machines.

With the control unit it is possible to change the seeding rate from the cabin during operation.

FOR EVERY SEED THE APPROPRIATE ROLLER



P-BOX-STI

SPEED-TRONIC inside



The P-BOX-STI is a pneumatic airseeder with electrical seed amount dosage. The user-friendly SPEED-TRONIC control unit regulates the seeding amount depending on the factual working speed. The necessary speed-data is obtained from various sensors or via the 7-pole signal cable from the tractor. With the P-BOX-STI (and also with the P-BOX-MD and the P-BOX-ED) all usual kinds of seed up to a size of 5 mm / 0.2" can be seeded, depending on the amount of seeding and the working speed, with an easy adjustment from about 1 kg to 300 kg / ha - 0.9 lb to 267 lb / ac.

The P-BOX-STI can be retrofitted to any Einböck-machine and also to a machine of another brand with only little effort.

- Hectare- and acre-calculation of daily and total areas
- Operating hours counter
- Automatic calibration test – optional with calibration button attached to the machine
- Automatic switching on/off of the seeding roller on the headland via upper link sensor (optional)
- Pre-dose-function
- Hopper level control (optional)
- Air flow control (optional)

PROVEN **DRILLING TECHNOLOGY**

The DRILLBOX / MECHANICBOX is a simple, mechanical seeder which can be used for seeding of several seeds and seed mixtures in an oversowing process. The seeding amount is adjusted by a feeding wheel system which is activated by a large bottom wheel with drive cassette. The DRILLBOX / MECHANICBOX can be mounted on a number of machines up to a working width of 3 m / 9.8 ft. The difference between DRILLBOX and MECHANICBOX is in the possible application. The DRILLBOX has a seed-body-distance of 34 cm / 13.4" and is used for fast working speed and a mounting height from approx. 70 cm / 27.6". The MECHANICBOX on the other hand has a seed-body-distance of 17 cm / 6.7" and should be used for slowly working machines and lower mounting heights. The turning pan is specially formed and can also be used to widen the opening of the hopper during filling.



DRILLBOX MECHANICBOX

FUNCTIONAL AND RELIABLE

- The arm of the bottom drive wheel is adjustable in length
- Exact drive through the large diameter of 600 mm / 23.6" of the bottom drive wheel
- The standard mounting consoles, which can be adjusted in angle, can be mounted to steel tubes between 60 and 100 mm / 2.4 and 3.9"
- High gusset plates inside the tank keep the seeds from shifting and guarantee exact seeding even on sloped terrain
- Minimum seeding amount 5 kg/hectare - 4.5 lb/ac
- Special shaped deflector plates for a smooth distribution

high yield

vital soils

high germination

The ROTOSEEDER is a versatile single disc spreader for dispensing intercrops, grass seeds, simultaneous cropping seeds, slug pellets and much more. The spreader can be mounted on nearly every machine easily. The working width is variable from 1 up to 20 meters / 3.3 up to 65.6 ft. The scatter disc is driven by a 12 V electric motor, charged by a simple connection to the tractor battery. On the display the RPM of the scatter disc is shown, which is infinitely variable adjustable. Also the position of the slider (open/close) is seen on the control unit. Additionally the spreader is equipped with a start-up mechanism for jammed seeds. The synthetic container has a volume of 90 liters / 2.55 bu / 3.18 cu-ft and protects the seed from water and dirt. The powder coated frame and the stable construction guarantee high life-time.



SIMPLE AND EFFICIENT

- Cost-effective
- Screwed cover
- Sensor control for automatic opening and closing of the slider when the machine is lifted (option)

Many functions:

- Hectare counter
- Voltage monitor
- Temperature monitor
- Counter for operating hours

ECONOMIC AND **ROBUST**

The front rollers FRONT-STAR and FRONT-SPIKE are specially made for the combination with PTO-driven, rear mounted machines. With the front roller it is possible to prepare the seedbed in one step even under difficult conditions. To mount the machine in the front provides several advantages. During road-transport it provides additional ballast on the front axle, at the same time the front wheels are relieved during field operation and the soil pressure is reduced. Furthermore seedbed preparation and seeding in one pass saves time, fuel and nevertheless preserves the soil from compactions.

Optional equipment:

- Rigid or hydraulically steerable front mounting frame
- With a double acting front hydraulic the FRONT-STAR and FRONT-SPIKE can be pushed down to increase the working effect
- Star respectively spike discs overlap so there is no danger that the roller will clog
- Working width 2.5 and 3 m / 8.2 and 9.8 ft available
- FRONT-STAR also available with 2-row pre-cultivator

FRONT-STAR FRONT-SPIKE



The FRONT-STAR is especially designed for heavy and soggy soils. It is equipped with a spring loaded, height adjustable leveling plate, which makes a first leveling and crushing of the soil. After this leveling board the 3-rows of star-discs follow; due to their special design they crush the clods without clogging.

The FRONT-SPIKE is more suitable for light and stony soil. The height adjustable springtine-bar ensures a leveling of the plow clods and the following 3-rows of spike discs are crushing the clods. This forms the basis of an optimal mix of finely granulated and rough soil.

flexible solid efficient



RELIABLE INTERCROP SEEDING

In combination with an Einböck seeder P-BOX the TAIFUN becomes the ideal machine for seeding intercrops and cover crops.



POWER PACK IN PERMANENT USE

The universal fine cultivator TAIFUN is a versatile all-rounder. The four beam cultivator can be used for the seed bed preparation – especially in areas with winter greening – as well as for shallow stubble cultivation. The machine is standard equipped with the „Vulcanus“ tine. Depending to the requirements, different crumblers are available. Especially for working in seedbed preparation the machine is equipped with spring-loaded double drag tines. Uneven surface, caused by the last tine row, is leveled before the rear rollers pass. If there is a lot of residues on the surface the double drag tines can be easily and quickly removed. For operation in heavy soil the „Herkules“ tine instead of the „Vulcanus“ tine is available as an option. Both tines are made of high quality spring steel. They can be equipped with a 53 mm / 2.1" small share or with a 200 mm / 7.9" duckfoot share.

TAIFUN



- Line spacing 15 cm / 5.9"
- Working width up to 7 m / 23 ft (mounted or trailed)
- Simple working depth adjustment through bolts in a half-hole breadboard
- Stable, high and spacious frame
- 1- or 2- beam tine leveler
- Several rollers are available
- Effective on small and big areas
- Option: chassis for bigger machines



GIANTS ON THE FIELD

TAIFUN 800, 900 AND 1200

For large-scale farms the TAIFUN is available with 8 m, 9m and 12 m / 26.2 ft, 29.5 ft and 39.4 ft working width.

With an according power of the tractor enormous area efficiency is possible.

- Herkules tine 70x12, clearance 580 mm / 22.8"
- Heavy frame, trailed
- Drawbar adjustable in length and holder for hydr. hoses
- Tine arrangement in 4 rows
- Line spacing 15 cm / 5.9"
- Spring-mounted double drag tines between the last tine row and the rear roller
- Parking position for double drag tines
- Parking support and wheel chocks



shallow deep universal

HURRICANE



EXPERT FOR **STUBBLE CULTIVATION**

The mulch universal cultivator HURRICANE is the ideal machine for precise stubble cultivation and for breaking up patches of compacted soil. The cultivator can also be used for preparing a new seedbed. Working speeds of 8 – 12 km/h - 5 – 7.5 mph ensure an efficient operation on small, as well as on large fields. Its generous 4 beam frame construction nearly eliminates the danger of blockage also in sticky soil or when working in fields with big many residues. The asymmetric positioning of the tines in combination with the line spacing of only 20 cm / 7.9" achieves a unique mixing result and a full cut off of the soil. Through their special shape the tines help to avoid smudging the pores of the soil and let the cultivator retains its low tractive resistance. Depending on the type of applications there are different types of shares, leveling discs and rollers available.

- 4 beam frame construction
- 20 cm / 7.9" line spacing
- Particularly suitable for a shallow stubble cultivation
- Optimum penetration even in heavy soil conditions
- Transport width up to 3 m / 4.9 ft
- Different rollers are available
- Working width up to 4,6 m / 15.1 ft





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