

PRODUCT PROGRAM

Einböck

MINIMUM TILLAGE

MECHANICAL WEED CONTROL

SEEDBED PREPARATION | SEEDING TECHNOLOGY

GRASSLAND CARE RESEEDING AND UNDERSEEDING

BETTER 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 – either in printed form or as pdf-Download on the website www.einboeck.at



In our over 80 years 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 to minimum tillage. As a reliable partner for the growing challenges in the agricultural sector we strengthen with our products the competitiveness of our customers. Individually tailored to your needs our machines increase your performance and make you fit for the future.

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 MACHINE FOR GRASSLAND CARE	4, 5	2 - 3 cm					
PNEUMATICSTAR RESEEDING AND UNDERSEEDING MACHINE	6, 7	2 - 3 cm					
PNEUMATICSTAR-PRO MACHINE FOR GRASSLAND CARE, RESEEDING, UNDERSEEDING	8, 9, 10	2 - 3 cm					
GRASS-STAR DIRECT-SEEDER	11	0 - 6 cm					
AEROSTAR TINED WEEDER	12, 13	2 - 5 cm					
AEROSTAR-EXACT TINED WEEDER	14	2 - 5 cm					
SPORTSTAR MACHINE FOR SPORT TURF CARE	15	2 - 3 cm					
ROTARystAR ROTARY HOE	16	2 - 5 cm					
ROW-GUARD CAMERA STEERING SYSTEM	17	-					
CHOPSTAR 25-59 ROW-CROP CULTIVATOR	18	2 - 5 cm					
CHOPSTAR 60-90 ROW-CROP CULTIVATOR	19	3 - 8 cm					
CHOPSTAR 91-150 ROW-CROP CULTIVATOR	20	3 - 8 cm					
ROLLSTAR ROW-CROP CULTIVATOR	21	2 - 5 cm					
HILLSTAR RIDGER FOR HILL CROPS	22	-					
JUMBO PNEUMATIC FRONT TANK	23	-					
VIBROSTAR SPRINGTINE CULTIVATOR	24, 25	2 - 10 cm					
EXTREM SEED BED COMBINATION	26, 27	2 - 5 cm					
FRONT-STAR / FRONT-SPIKE UNIVERSAL FRONT ROLLER	28, 29	2 - 5 cm					
P-BOX SPEED / PNEUMATICBOX PNEUMATIC AIRSEEDER	30, 31	-					
ROTOSEEDER UNIVERSAL SEEDER	32	-					
DRILLBOX / MECHANICBOX MECHANIC SEEDER	33	-					
TWISTER SHORT DISC HARROW	34	4 - 10 cm					
HURRICANE UNIVERSAL MULCH-TILL CULTIVATOR	35	6 - 25 cm					
TAIFUN UNIVERSAL FINE CULTIVATOR	36, 37	4 - 15 cm					
MULTISOILER UNIVERSAL STUBBLE CULTIVATOR	38, 39	4 - 18 cm					

Increase for age quality



YOUR MEADOWS SAY THANKS

- 1,5 m wide, pivoted weeder sections for optimal adaptation to the ground contours
- When taking away of the stop bar the side wings can follow the contours of the land surface perfectly
- Depending on the soil conditions there are different tines available
- Working widths between 1,5 and 12 m
- Transport width for all machines less than 3 m
- A GRASS-MANAGER with a pneumatic seeder box mounted is called PNEUMATICSTAR
- 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 tines)



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 precisely 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, even on uneven terrain. The GRASS-MANAGER is made for high working speed and thus very effective. It can be equipped with leveling boards to level molehills. The support wheels are running in front of the weeder sections and ensure an accurate guidance.



FOR A STRONG TURF

- 1,5 m wide, pivoted weeder sections for an optimal adaptation to the ground contours
- Nearly every kind of seed can be distributed
- Effective due to working widths between 2 and 12 m and high working speed
- Support wheels for smooth operation
- 300 liters 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 measures are needed. The PNEUMATICSTAR is the ideal machine not only for grooming the pasture but also for under- and over-seeding.

Particular in times of intensive grassland farming several grasses have no chance to reproduce themselves. As a result stockouts are overgrown by unwanted grasses like rough meadow grass (*Poa trivialis*) or weeds. Therefore it is important to close the gaps in the pasture with valuable grass seeds. Further is the composition of the grass stock 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 corn 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 dethatch the turf and ensure ideal conditions for germination.



Grassland care and reseeding without compromise



PNEUMATICSTAR



developed by professionals for professionals



WITH INNOVATION TO **PRIME GRASSLAND**

- Via the hydraulic level control the pressure on the weeder section can be adjusted
- Almost any seeds can be distributed
- Ideal for dethatching the turf
- 10 mm tines available for extreme conditions
- Transport width 3 m
- Simple and quick central tine adjustment per section
- Many extras available



GREEN LIGHT FOR LUSH GRASSES

The weeder sections are, like on the PNEUMATICSTAR, 1,5 m wide and pivoted. To better adapt to the uneven ground, the fields have a hydraulic leveling system. The 8 mm thick tines are mounted on 6 torsion-free pipes with a line spacing of 2,5 cm.



PNEUMATICSTAR-PRO

The PNEUMATICSTAR-PRO is a professional machine especially designed for reseeded of grassland. The 3, 6 or 12 meters 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 the most leveling boards the soil is lifted and spread loose in the turf and do not smudge the soil pores. The support wheels are mounted behind the leveling board that 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 working width is a quantum leap in respect 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.

turn old into new



GRASS-STAR



INNOVATIVE TECHNOLOGY ENSURES **MORE GREEN**

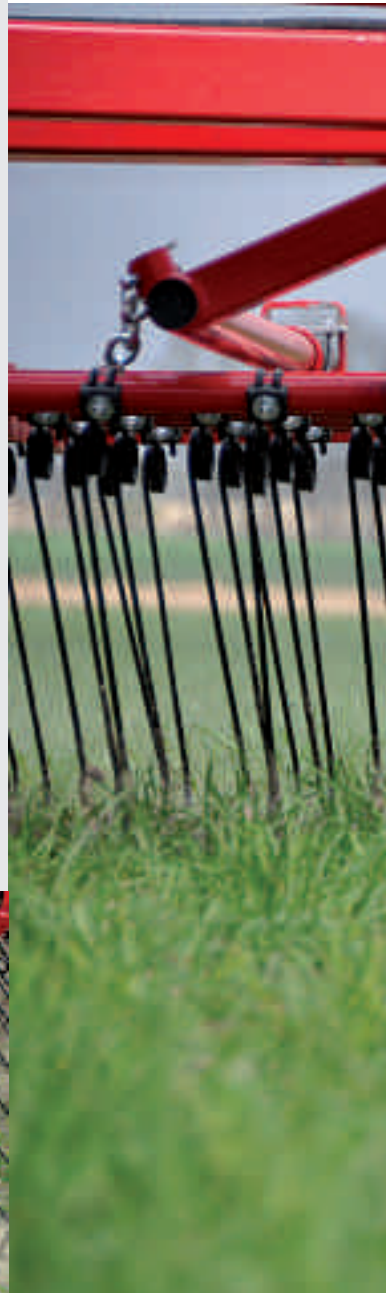
- 3 m working width
- Ideally suited for contractors and communities
- Narrow tine spacing ensures an entirely worked soil even in shallow working depth
- Working depth adjustment via a half-hole matrix
- Filling steps for an easy and safe filling of the seed tank
- Tines are specially shaped for grassland and they are insensitive in respect of stones
- High quality gearbox with overload protected universal PTO-shaft
- Control of seeding quantity on the airseeder via a rubber wheel which is pressed on the roller

The direct-seeder GRASS-STAR is designed for grassland where renovation is not economic anymore and new seeding is necessary. Also to repair damages caused by wild stock the machine is well suited. The machine consists of a PTO-driven tine rotor which is depth-guided via two support wheels, an air seeder and a Farmflex-roller for the reconsolidation. The tine rotor with a narrow tine distance breaks up the turf and prepares the seedbed by an incoming rotating speed of 1000 rpm. Unlike a shredder, rotary tiller and rotary harrow the tine rotor keeps the pores of the soil open. With the pneumatic airseeder PNEUMATICBOX nearly all kinds of seeds can be distributed. The seeds are placed by special formed deflector plates between the protection cover of the rotor and the Farmflex-roller.

WEEDING

REGULATES THE WATER BALANCE

- Stable profile tube frame
- Support wheels for an optimal soil adaptation
- Central adjustment of tine angle (option hydraulically)
- Line spacing 2,5 cm
- Spring-mounted leveling plates (optional)
- Working widths from 1,5 up to 15 m mounted and from 18 up to 24 m 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 150 cm wide, swiveling sections for an ideal ground hugging. The success is based on the special formed tines made of strength drawn spring steel. Distributed on six torsion-free tubes there are 60 tines per section. That makes a statistic line distance of 2,5 cm. 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 because of the European folding system.



AEROSTAR-EXACT

EXACT WEEDING TECHNOLOGY **PRECISELY AT THE POINT**

- Intensive fighting of weeds
- Long tines for exact copying of the soil contour
- Tines adjusted „on hold“
- Fixed sections and support wheels at the front and the rear ensure exact depth guidance
- Hydraulic tine adjustment
- Line spacing 2,5 cm
- Working width 6 and 12 m

Exact, sensitive and precise – these points are requested from modern weeding technology – especially when working in special crops. The AEROSTAR-EXACT has 600 mm long, angled tines with 7 mm 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 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 “on hold” the weeder can still break up hard crusts without harming the crop.

Happy Greenkeeper



- Can be equipped with a PNEUMATICBOX for reseeding
- Working widths from 1,5 up to 6 m
- Shorter tines for a more aggressive operation
- Overload protected leveling plate (as option)
- Central tine adjustment in 5 positions per section
- Farmflex-rolls (as option)

SPORTSTAR

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 the full surface of the turf is entirely aerated and dethatched. An optimal ground hugging, also on uneven golf courses, is ensured by 1,5 m wide pivoted weeder sections which are guided via support wheels. The tines have a special design which allows them to copy 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.

High Speed Performance

With its turning 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 by high operational speed between 12 – 25 km/h. The ROTARYSTAR can work in many different crops.

Also in mulch-till-crops the rotary hoe operates very efficiently, as the rolling working tools do not collect residue. The stars are pre-tensioned by springs and mounted on 1,5 m wide, 2 row sections. Via a hydraulic parallelogram the pressure on the sections can be adjusted during operation. The narrow spacing of 9,4 cm between the stars and the high working speed guarantee working of the full surface. There is no chance for shallow rooting weeds!



ROTARYSTAR

PERFECTION BY **ROTATION**

- High productivity
- Breaking of crusts and soil crumbling
- Hydraulic pressure- and level control
- Versatile through perfect adaptation
- Ideal to fight weeds in mulch-till crops
- Working width 3 and 6 m

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
- Guide shaft with big diameter, made from highly-strong, 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 between 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.

customized solutions



CHOPSTAR 25-59



5-24 ROWS

Digging quickly into the soil and exact depth guidance 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.

Why mechanical instead of chemical weed control?

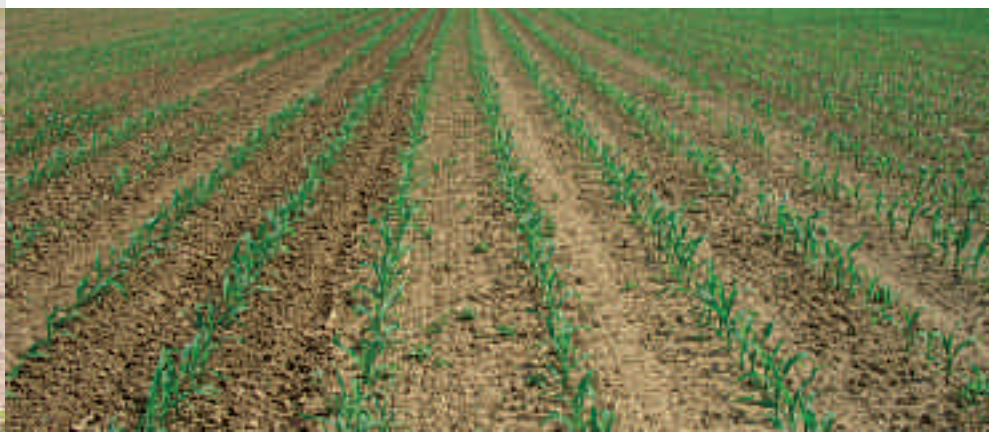
- Increasing herbicide costs
- Herbicide-resistant weeds
- Growing awareness of environmental care
- Mechanical cultivation improves the soil
- Advanced technology of row crop hoes

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 25 cm to 150 cm is possible. Depending on the row spacing there are three different hoe-elements available:

25 – 59 cm (e.g. beet or soybean),
60 – 90 cm (e.g. maize or potatoes),
91 – 150 cm (e.g. pumpkin or cauliflower).

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



CHOPSTAR 60-90



Machines with bigger working widths have a hydraulically folding frame.

2-12 ROWS



CHOPSTAR 91-150

2-3 ROWS

The working depth of each hoe element is stepless 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.

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 worked 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. Subject to the row spacing the machine can have 2 – 12 rows. The number of hoe-stars per element depends on the row spacing. Pre-loosing 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, just as 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)
- Hill-weeder tines for weed control on potato hills
- Hydraulic steering support

Efficient dam-maintenance



Gently for the crop

- Pre-loosening tine with 180 mm 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 commercial advantage that fertilizer or seeds can be distributed in one operation during inter-row crop cultivation.



Increased productivity because of high volume

- 1500 litres tank volume
- Frame and seeding unit made from stainless steel - painted
- Hydraulic fan
- Large ground wheel with hydraulic lifting
- Stepless 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, saves 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.

*versatile**solid**effective*

- All models with more than 3,3 m working width fold hydraulically to a transport width of less than 3 m
- Stable frame with a massive 3 point mounting supported towards the rear
- Rubber support wheels (option)
- Different spring tines and different line spacings available
- Working widths from 1,9 m up to 12,1 m
- VIBROSTAR 4-1210 semi mounted version (with chassis)
- Tine leveler (two tine rows) with rubber wheels instead of the rear roller (option)
- For the VIBROSTAR with 5 rows of tines there is as option a VIBRO-BOARD available.



VIBROSTAR





SOLID TECHNOLOGY HUGE EFFICIENCY

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

From seedbed preparation via incorporation of wintergreen to second stubble cultivation range the fields of usage of the VIBROSTAR. With a line spacing of 10 cm it makes a leveled, loose and crumbly soil tilth 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 re-consolidated soil there is a big variety of different rollers available. The adjustment of the working depth is done via a half-hole matrix.

compact and proven



FREQUENTLY
ON THE ROAD
WELL-CONCEIVED
TILLAGE CONCEPTS

- Track loosener (optional)
- Mini seedbed sections are available with S-tines or with straight tines (reversible share)
- The robust frame transfers additional weight to the rear rollers
- Fix mounted, pivoting mini seedbed sections ensure aggressive crushing
- Working depth adjustment via spindle and connecting frame
- Working widths from 3,6 m up to 8,3 m



Seedbed preparation with the classical combination seed-harrow 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 line spacing) or with mini seedbed sections with S- or straight tines (64 mm line spacing). In addition a leveling plate can be mounted. All machines have an automatic final position locking of the side wings in working position, so the surface is leveled out very well. Due to the 2-row crumbler, consisting of two serrated rollers with different diameters, the surface is crumbly, reconsolidated and germinable. Because of the European folding system the transport width of all models is below 3 m.

reliable

durable

tough



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 spring-tine-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.

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.



FRONT-STAR FRONT-SPIKE

Optional equipment:

- Rigid, free swiveling or hydraulically steerable headstock
- 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 of 2,5 and 3 m available
- FRONT-STAR also available with 2-row pre-cultivator

innovative seeding technology

P-BOX SPEED

HIGHEST PRECISION FOR **PERFECT SEEDING**

The only difference between PNEUMATICBOX and P-BOX SPEED is the type of seeding roller drive.

Unlike on the PNEUMATICBOX the seeding roller of the P-BOX SPEED 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 an exact seeding rate also in changing working speed the P-BOX SPEED can be equipped with the SPEED-TRONIC control unit. The 7-pin plug of the tractor, a wheel or a radarsensor provide the necessary information about the working speed.

In addition the SPEED-TRONIC has an automatic calibration function, a working hour and a hectare counter.

for innovative management concepts

PNEUMATICBOX



With the pneumatic air seeder PNEUMATICBOX many different kinds of seeds can be distributed.

The PNEUMATICBOX can be mounted easily and fast to any machine (tined weeder, cultivator, row crop cultivator ...). The dosing of the seeding amount is done via a variable oil-immersed gearbox and is adjusted by a lever in a fine matrix. Depending on model, seeds and seeding quantity working widths up to 12 m 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 or 500 liters.

- 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) 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
- Draining outlet 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)

*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. 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 stepless 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 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
- Counter for operating hours

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. The difference between DRILLBOX and MECHANICBOX is in the possible application. The DRILLBOX has a seed-body-distance of 34 cm and is used for fast working speed and a mounting height from approx. 70 cm. The MECHANICBOX on the other hand has a seed-body-distance of 17 cm and should be used for slowly working machines and lower mounting heights. The turning pan is special formed and can also be used to widen the opening of the hopper during filling.



FUNCTIONAL AND RELIABLE

- The arm of the bottom drive wheel is adjustable in length
- Exact activation of the shearing wheels because of the large diameter of 600 mm 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
- High gusset plates inside the tank keep the seeds from shifting and guarantee exact seeding even on sloped terrain
- Minimum seeding amount 5 kg per hectare
- Special shaped deflector plates for a smooth distribution



TWISTER

MIXES **SEAMLESSLY**

The short disc Harrow TWISTER is a compact and versatile machine for quick stubble cultivation. Forward speeds of 12 – 15 km/h ensure excellent mixing, working depths between 2 and 12 cm provide most efficient operation. The staggered arrangement of the discs on 2 beams guarantees a full slicing effect. Also in seedbed preparation, especially on winter greened areas, the TWISTER shows excellent results. The toothed, conical and slightly angled discs cut very aggressively into the soil for a unique mixture of straw, soil and residues. The 530 mm discs are singly mounted on a rubber supported disc arm. These rubber elements avoid damage of the discs and the frame. The maintenance-free disc bearings are designed for highest life time and reliability. There are several rollers available, which are also necessary to guide the working depth which is adjusted via a half-hole matrix.

- Line spacing of 12,5 cm guarantees a full slicing effect also in shallow working depth
- Leveling tines with baffle plate between second tine row and rear roller
- Stepped adjustment of the disc alignment
- Every disc overload protected
- Working width between 2,5 and 8 m (all machines are available trailed)
- Fine toothed discs designed also for minimum working depth
- Low draught requirement due to a special disc position



Einböck

flach tief universell

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 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 amount of residue. The asymmetric positioning of the tines in combination with the line spacing of only 20 cm 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 line spacing
- Particularly suitable for a shallow stubble cultivation
- Optimum penetration even in heavy soil conditions
- Transport width up to 3 meters
- Different rollers are available
- Working width up to 4,6 meters



flexible soild efficient



RELIABLE INTERCROP SEEDING

In combination with an Einböck seeder (PNEUMATICBOX or P-BOX SPEED) 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 standard “Vulcanus” tine can be mounted in two different line spacings. 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 organic matter on the surface the double drag tines can be easily and quickly removed. For operation in heavy soil the “Hercules” 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 small share or with a 200 mm duckfoot share.

TAIFUN



- Line spacing 15 cm
- Working width up to 7 m (mounted or trailed)
- Simple working depth adjustment through bolts in a half-hole matrix
- 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

versatile

A REAL **ALL-ROUNDER**

- Drawbar adjustable in length
- Adjustable support wheels on the side wings
- Trailed weeder tines, 1-row
- Leveling discs (serrated or smooth)
- Pneumatic trailer brake (option)
- 200 mm wide duckfoot shares (option small shares)
- VIBRO-BOARD (option)
- Transport width less than 3 m
- Adjustment of the working depth via a half-hole matrix



ALLROUND MACHINE

The trailed machine is equipped with an integrated, suspended chassis – this provides better maneuverability and security during road transport.

*powerful**strong**agile*

MULTISOILER



The MULTISOILER shows excellent results in all different types of soil and combines versatility, efficiency and best construction in 5 and 6 meters working width. It is used for quick stubble turning, deeper cultivation of the ground, mixing and working in of organic residue as well as seedbed preparation. The trailed machine has an integrated and vibration-damped chassis with tandem axles. This makes the MULTISOILER very agile and additionally it provides more safety during road transport. It is equipped with very strong "Kronos" spring tines which are partitioned on six beams with a line spacing of 160 mm. In conjunction with 200 mm wide duckfoot shares the surface is entirely worked through even in very shallow cultivation. Because of the spacious frame and the 6 beams there are, despite of the narrow line spacing, no problems with clogging.

The MULTISOILER ensures an intensive mixing and at the same time it provides, because of the leveling discs and the ring packer roller, excellent leveling and reconsolidation. Depending on the soil conditions the pressure of the roller can be reduced by lowering the chassis respectively the MULTISOILER can be used without the roller, only with leveling tines.



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