

# BEDNAR

PRODUCT  
CATALOGUE





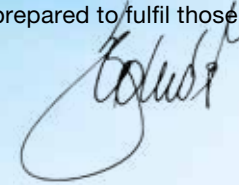
# FARMING SOIL FOR FUTURE GENERATIONS

Dear Customers,

I often ponder over where to lead the discussions with my colleagues with regard to the objectives of developing new machines and technological lines, as it is my role in the company. On one side, there are some common social trends we need to respond to in our portfolio, such as protection of soil moisture, increasing the ratio of organic substance in soil, reducing the application of glyphosates, using industrial fertilisers and erosion measures

effectively and specifically, all of that while sustaining the yield potential of the plants. At the same time, however, we need to be able to offer machines for various technological and performance-related needs of farmers on various continents, as a pro-export focused company. We also have to be able to respond to the quickly growing demands on the creation and sharing of information about the functions and quality of work of the machines. I am aware of the

demands we are facing in the near future and I also believe that the BEDNAR team is well prepared to fulfil those tasks.



Ladislav BEDNAR  
CEO of BEDNAR FMT, s. r. o.





SOIL CULTIVATION

|                                |    |                               |    |                               |    |
|--------------------------------|----|-------------------------------|----|-------------------------------|----|
| Disc Cultivator<br>SWIFTERDISC | 16 | Universal Cultivator<br>FENIX | 62 | Combined Cultivator<br>ACTROS | 90 |
|--------------------------------|----|-------------------------------|----|-------------------------------|----|



|                          |    |                            |    |                                        |    |
|--------------------------|----|----------------------------|----|----------------------------------------|----|
| Disc Cultivator<br>ATLAS | 26 | Chisel Plough<br>TERRALAND | 72 | Combined Chisel Plough<br>TERRALAND DO | 94 |
|--------------------------|----|----------------------------|----|----------------------------------------|----|



|                               |    |                               |    |                              |     |
|-------------------------------|----|-------------------------------|----|------------------------------|-----|
| Seedbed Cultivator<br>SWIFTER | 40 | Chisel Plough<br>TERRALAND TO | 78 | Trailed Packers<br>PRESSPACK | 102 |
|-------------------------------|----|-------------------------------|----|------------------------------|-----|



|                                   |    |                             |    |                               |     |
|-----------------------------------|----|-----------------------------|----|-------------------------------|-----|
| Universal Cultivator<br>VERSATILL | 56 | Chisel Plough<br>TERRASTRIP | 84 | Trailed Packers<br>CUTTERPACK | 104 |
|-----------------------------------|----|-----------------------------|----|-------------------------------|-----|



SEEDING AND FERTILISATION

|                     |     |
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| Seed Drill<br>OMEGA | 120 |
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|                      |     |
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| seeding bar<br>CORSA | 132 |
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| Seed Drill<br>ALFA DRILL | 136 |
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| Fertiliser Hopper<br>FERTI-CART | 138 |
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| Storage Hopper<br>COMBO SYSTEM | 144 |
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INTER-ROW CULTIVATION

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| Inter-row Cultivator<br>ROW-MASTER | 106 |
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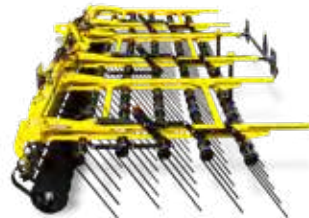
STRIP-TILL CULTIVATION

|                                       |     |
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| Strip-till Cultivator<br>STRIP-MASTER | 116 |
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CROP RESIDUE MANAGEMENT

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| Straw Harrows<br>STRIEGEL-PRO | 154 |
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| Packers and Rollers | 170 |
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| Sales Representation | 172 |
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# BEDNAR FMT



## FARMERS TO FARMERS

BEDNAR FMT is a progressive manufacturer of agricultural technology that specialises in machines for soil cultivation, seeding, fertilisation and mulching. The close connection of the company with agricultural practice makes BEDNAR FMT one of the most innovative manufacturers of agricultural machines, developing and producing machines with high added value for the end users. BEDNAR FMT s.r.o. was founded in 1997.

At present, the company employs more than 250 people and exports its products to 35 countries in Europe, Asia, Australia, North America and Africa.

## THE MISSION

- We test new technology for soil cultivation, plant nutrition and crop establishment in co-operation with leading farms.
- We develop progressive machines based on the achieved outcomes, increasing plant production and providing nutrition for the fast growing global population.
- We continuously improve our unique know-how, reflected in the machine designs and agronomic recommendations.
- We focus on the quality of machines, giving them high and long-lasting added value thanks to our know-how and production technology.
- We respect the principles of sustainable development of the planet so that the values are preserved for future generations.



# BEDNAR FMT



## LAUNCH OF THE NEW ASSEMBLY HALL

BEDNAR now use 10,000 m<sup>2</sup> of the assembly area, out of the total 12,000 m<sup>2</sup>. Out of that, 2,000 m<sup>2</sup> is used for administration purposes. That's double the area we have had available until now. This "playground" enables us to better divide the individual tasks of the transfer (line) assembly into the individual operations.

The hall is designed as two-storey (5,000 m<sup>2</sup>/storey) with a clear division of tasks. All the pre-assembly operations, i.e., the assembly of subassemblies, take place on the top floor. The subassemblies are then completed on the ground floor – it includes the final assembly of the machine, final inspection and palletization, if required.

There are 29 workstations concentrated in 5 lines with the same total number of cranes of various load capacity on both storeys.

## THE DISPATCH HALL HAS ALSO STARTED ITS OPERATION

In addition to launching the operation in the new assembly hall, we also commenced operation in the new dispatch hall. This investment allows us to load one machine while preparing another one for shipping inside the hall. Also, we have expanded the paved outdoor area for machine loading used by fork-lift trucks, or loading platforms.

The dispatching capacity used to be one of the bottleneck areas we had to deal with especially in the time of shipping machines for spring operations.



# NEW AGRONOMIC APPROACHES



The successful presence of BEDNAR FMT on the market is based on continuous innovations and improvements of the existing machines and technological procedures. The main motivation is the interest of farmers in adjusting the current agronomic procedures to the ongoing climate change and the real decrease in the number of people willing to work in agriculture. Continue reading to learn about new possibilities and approaches that we are testing together with farmers and research organisations for our customers.

## AUXILIARY CROP

The agronomic procedures using concurrent cultivation of two and more crops in the field are not anything new from an historical point of view. Their actual application in agricultural primary production has always been connected with the need to solve the current issues in the agricultural production. Their current application can definitely make use of the higher level of knowledge of the mutual relations between organisms when compared with the past.

Together with the Centre for Precision Farming at the Czech University of Life Sciences in Prague and farmers, BEDNAR FMT has verified the functionality of two combinations of the production crop with an auxiliary crop:

### A) Spring barley

For the development of new technologies, we established growth of bread seed poppy with spring barley as an auxiliary crop. The

seeding was done by an OMEGA seed drill, allowing for separate seeding of two crops every other row and fertilisation placed with the poppy from the FERTI-BOX hopper. The spacing of the drill coulters was 12.5 cm. The poppy seeding amount was 0.8 kg/ha and spring barley was 50 kg/ha, micro-granulated fertiliser Fertiboost was added by a separate batching device to the poppy seeds at an amount of 13 kg/ha. The established crop meets the principles of the systems of precise establishment of the auxiliary crop that eliminates the mutual competition between the main and auxiliary crop.

### The aim of using an auxiliary crop in the bread seed poppy is to provide:

- Elimination of erosion risks at the beginning of vegetation.
- Increase in water infiltration into soil thanks to the effects of the root system of the auxiliary crop.



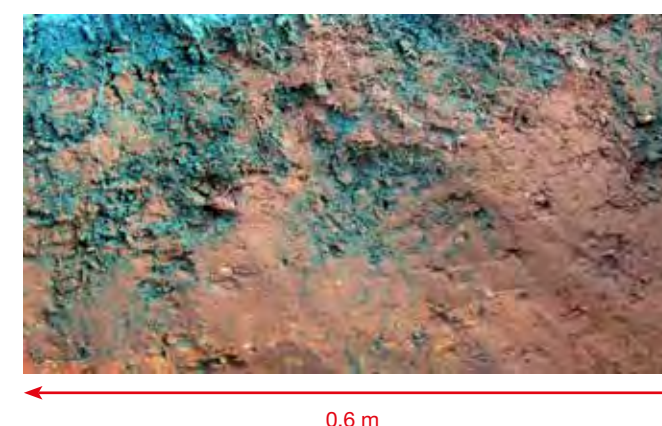
Bread seed poppy with spring barley as an auxiliary crop – early phase (OMEGA seed drill, every other row)



Bread seed poppy with spring barley as an auxiliary crop – later phase



Infiltration of water into soil on an area without barley



Infiltration of water into soil on an area with barley

- Decrease in the pressure of weeds on the basis of the effect of the competitive ability of the auxiliary crop in inter-rows.
- Improvement of the nutritional condition of the growth after devitalization of the auxiliary crop on the basis of disintegration of the underground and above ground biomass of the auxiliary crop.

In the 2018 growing season, characterised by extreme drought in Central European conditions, the results of the field trials compared with conventional growing technology was excellent. The total average crop of bread seed poppy in the Czech Republic did not reach 600 kg/ha and the area with auxiliary crop achieved the yield of 1200 kg/ha, which is an increase by 100%.



# NEW AGRONOMIC APPROACHES



## B) Field pea

In the autumn of 2017, field trials with winter wheat and winter forms of field pea were established. Based on the positive effect of the field pea (winter form, Arkta variety) on the development of winter wheat growth and seed yield, more than 100 ha of arable land in five various companies were seeded by this technology using the OMEGA 6000 FL seed drill this year (autumn 2018).

The technology uses the direct function of legumes as auxiliary crop during the growth of the main crop, which consists in:

- support of the development of microbe societies,
- fixation of nitrogen by the legume in its biomass,
- protection of the soil surface against degradation,
- increase in the infiltration of precipitation by the effect of the root system and
- improvement in the soil structure by the growth of roots.

After the planned devitalization of the field pea in spring (with post-emergent herbicide application), the dead biomass marked with a close ratio of C:N degrades biologically well (mineralization) and thus represents a potential source of nitrogen and phosphorus. At the beginning of development, the plants of winter field pea are characterised by slower dynamics in the creation of above ground biomass, which reduces the risk of legume competition against the main crop: the wheat. The presence of the pea plants also

contributes to the weed control in the wheat inter-rows. At the beginning of vegetation (autumn), winter pea is characterised by fast dynamics in the creation of underground biomass and a close ratio between the production of above ground and underground biomass. This means that there is intense development of the root system in the top layer of arable soil. However, the plants start to vegetate early in spring and demonstrate good dynamics in the growth of underground and above ground biomass until devitalization.

The effect of the root layer of soil is subsequently demonstrated after the field pea is devitalized, when the root biomass is not only a source of nutrition for the soil microflora, but also a potential source of nutrients for the wheat after disintegration. The dead root system also contributes to the creation of the porous system, even in the category of macro pores, which contributes to the stabilisation of the soil structure.

The advantage of the field pea lies in the smaller size of seeds which reduces the demands on the depth of seeding and also provides a good area performance of the seed drill with regard to the reduction in the time for refilling seeds. In accordance with the elimination of negative competition between the wheat and the field pea, the crops are sown in regular alternation of every other row, with spacing of 250 mm between the rows of one crop. The increase in the spacing of rows of winter wheat is connected to



Winter wheat with field pea as an auxiliary crop – early phase (OMEGA seed drill, every other row)



the reduction of the seeding amount to 80–130 kg/ha (according to the current soil conditions and weather conditions) and the use of compensation varieties. The seeding amount of the field pea can range from 60 to 85 kg/ha.

An important part of the yield of the wheat growth is the number of offshoots as well as the weight of the grains. The release of N from the biomass of the dead pea reduces the need for N-fertilisation within the second input of nitrogen application in the production

fertilisation of growths; regeneration fertilisation needs to be preserved as the pea plants are still in the growth phase at that time and they are not a source of nutrients for the winter wheat. The reduction in the seeding amount wheat and in the need to apply N during production fertilisation cover the costs of the field pea seeds. As far as energy is concerned, the presence of the field pea increases the use of sunlight and its transformation into the biomass of the plant and the biomass contributes to the stabilisation of its balance in the block of soil.



# NEW AGRONOMIC APPROACHES



## SHALLOW STRIP SOIL CULTIVATION

The development of technological procedures for cultivating field crop includes the development of new technical equipment and technologies for shallow strip soil cultivation for broad-row crop. The shallow soil cultivation systems react to long-term changes in the weather during the year and to the new demands placed on the development of agriculture. This mainly concerns elimination of water stress and reduction in the use of fertilisers and pesticides per area unit, including erosion.

### What does shallow strip soil cultivation provide?

- strip seedbed cultivation of all-area cultivated soil
- reduction in the number of passes over the field and high area output
- possibility to aerate a narrow strip for crop seeded in 0.45-metre rows and narrower
- elimination of soil compaction during seedbed cultivation by wheels and skives
- soil cultivation with the strip-till technology – spring
- use for strip seeding of cover crop
- soil cultivation in the systems of strip seeding of cover crop or auxiliary crop
- universal use of machines for strip soil cultivation and weeding
- elimination of erosion processes due to the rougher soil structure, or crop residue or live mulch left between the aerated strips
- fertiliser application in soil during seedbed cultivation below the seed placement depth

- elimination of excessive drying of the top layer of soil due to all-area soil cultivation
- the technology can be used in controlled passes systems

### First trial

In the first location, the BEDNAR modified weeding machine performed seedbed cultivation in a coarse furrow. At the same time, regular, conventional soil cultivation was performed on the same area. Sugar beet was planted on the following day. The aim of these trials is to verify the emergence rate of sugar beet and the development of the root system at the beginning. The trials clearly showed that the plant roots do not bend in shallow strip soil cultivation as they do in conventional soil cultivation. The plant roots thus reach deeper, obtain more nutrients and moisture, and develop better.

### Second trial

In the second location, the soil cultivation performed was similar to the first location but corn was planted on the same day. This location tested various work tools and their effect on the bottom and profile of the seedbed. The width of the aerated strip ranged from 20 to 28 cm. The aim of the trial was to provide a coarser soil structure on the surface and thus eliminate the formation of soil crust, water risk and wind erosion. Another objective was to provide suitable conditions for the growth of corn.



Sugar beet plants in the conventional version (tillage and all-area seedbed preparation with a cultivator) – outside the rail tracks



Sugar beet plants in the conventional version (tillage and all-area seedbed preparation with a cultivator) – in the rail tracks



Plants in the aerated strips in strip soil cultivation in deep furrow and subsequent seeding into the aerated strip



SWIFTERDISC is a disc cultivator prepared for fast, quality, low-cost stubble cultivation up to 12 cm, which can also be used for soil cultivation before seeding.

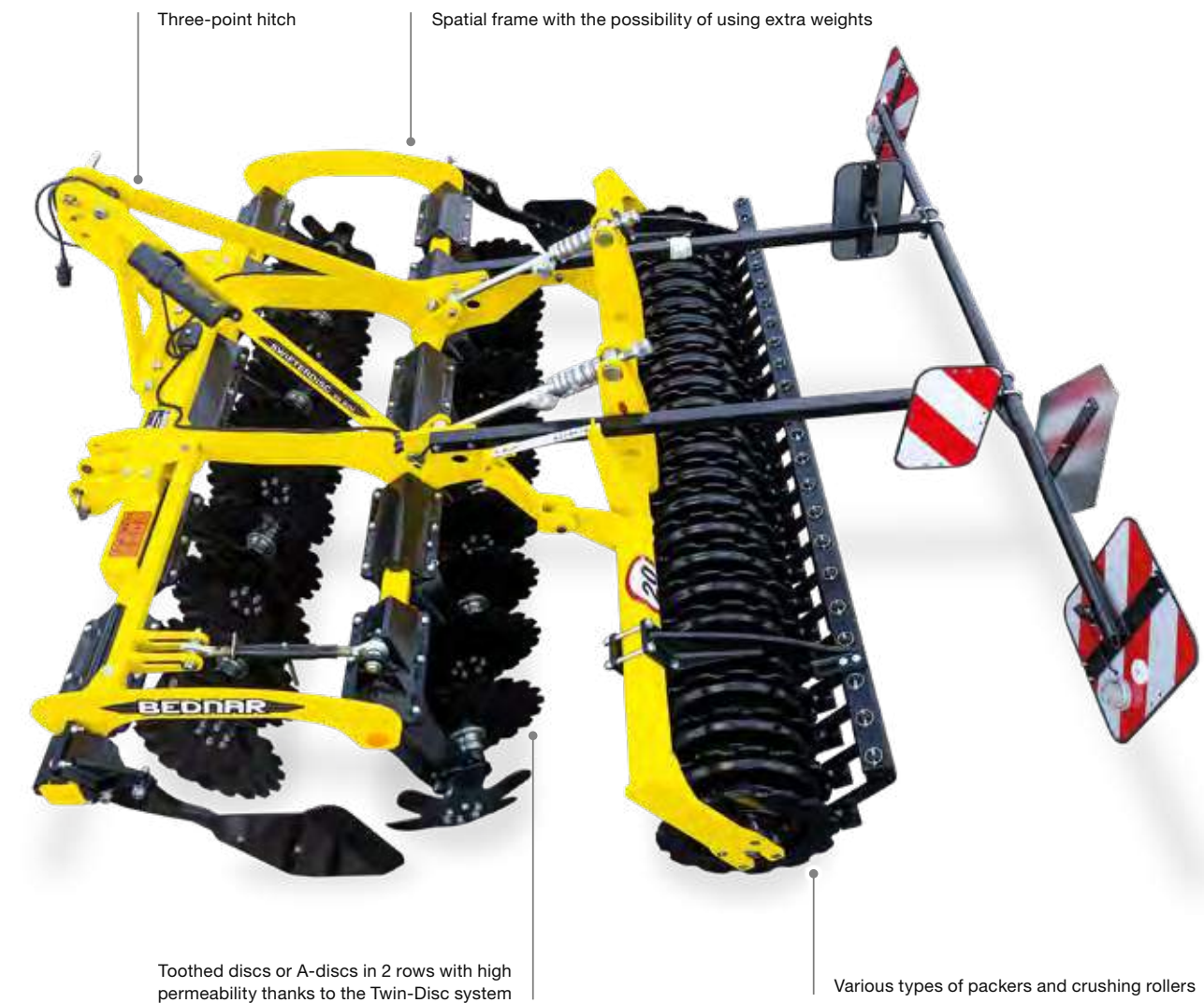


SWIFTERDISC XO\_F



# SWIFTERDISC

Disc Cultivator



## A-DISCS: A NEW DIMENSION OF WORK QUALITY

A specially shaped disc with a diameter of 520 mm and a thickness of 5 mm with significantly higher cutting and mixing effect against standard discs. A-discs have a lot of cutting edges along the circumference for easy incorporation of a larger quantity of crop residue. It cuts crop residue effectively thanks to the sharp edges. Moreover, the profiled shape allows to take more soil from the field than standard toothed discs. Each profiled protrusion of the disc picks up soil and brings it towards the plant mulch where it is mixed. The result is excellent.

## SWIFTERDISC XN

|                     |     | XN 3000     | XN 3500     | XN 4000     | XN 4000 R   | XN 5000     |
|---------------------|-----|-------------|-------------|-------------|-------------|-------------|
| Working width       | m   | 3           | 3.5         | 4           | 4           | 5           |
| Transport width     | m   | 3           | 3.5         | 3           | 4           | 3           |
| Transport length    | m   | 3           | 3           | 3           | 3           | 3.3         |
| Working depth*      | cm  | 2–12        | 2–12        | 2–12        | 2–12        | 2–12        |
| Number of discs     | pcs | 22/24**     | 28          | 32          | 30          | 40          |
| Diameter of discs   | mm  | 520         | 520         | 520         | 520         | 520         |
| Total weight**      | kg  | 1,650–2,050 | 1,800–2,200 | 2,390–3,240 | 2,035–2,430 | 3,000–3,900 |
| Recommended output* | HP  | 85–115      | 110–130     | 130–150     | 130–150     | 150–180     |

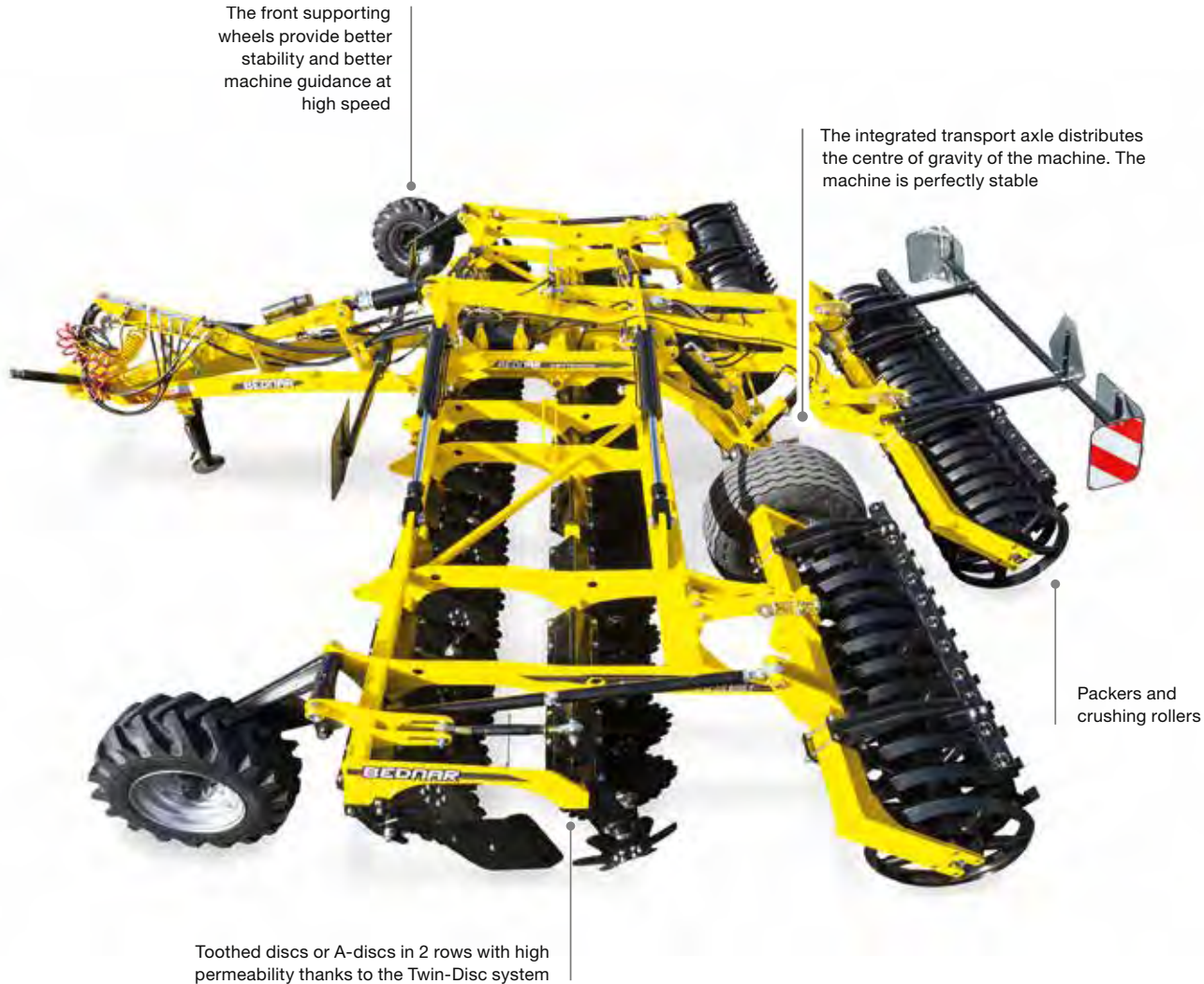
\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.





SWIFTERDISC XO\_F



TRASH CUTTER FOR RESILIENT CROP RESIDUE

The cutting roller is located in the front part of the machine. The roller is formed by sharp edges mounted in a helix. A small diameter of the roller provides a high circumferential speed. The down pressure of the roller is controlled hydraulically from the tractor cabin. The trash cutter is ideal for cutting brittle, longer stems from desiccated oil seed rape, sunflower, frozen cover crop etc.

SWIFTERDISC XO\_F

|                     |     | XO 4000 F   | XO 4500 F   | XO 5000 F   | XO 6000 F   | XO 8000 F   |
|---------------------|-----|-------------|-------------|-------------|-------------|-------------|
| Working width       | m   | 4           | 4.5         | 5           | 6           | 7.5         |
| Transport width     | m   | 3           | 3           | 3           | 3           | 3           |
| Transport length    | m   | 6.9         | 6.9         | 6.9         | 6.9         | 7.4         |
| Working depth*      | cm  | 2–12        | 2–12        | 2–12        | 2–12        | 2–12        |
| Number of discs     | pcs | 32          | 36          | 40          | 48          | 60          |
| Diameter of discs   | mm  | 520/560     | 520/560     | 520/560     | 520/560     | 520         |
| Total weight**      | kg  | 3,680–5,860 | 3,890–6,350 | 4,110–6,860 | 4,490–7,570 | 5,720–9,000 |
| Recommended output* | HP  | 120–160     | 140–170     | 170–220     | 200–260     | 290–340     |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.





SWIFTERDISC XE\_PROFI



“I am impressed with the work quality of the machine. We compared it with competitive machines over 200 ha and the work results were the best. Farming in Africa requires working at 120 % due to the weather and other natural effects. And these machines can handle that without hesitation. We cultivate soil with a disc cultivator at a depth of 5–6 cm and we distribute N, P, and K in some locations using the fertiliser hopper in a single pass. It saves money and minimises soil compaction.”

Christo Cronje (photo on the left),  
Frikkie Heffer, BEDNAR FMT Sales Representative (photo on the right)

Cronje Boerdery, Harrismith (South Africa)  
17 000 ha | SWIFTERDISC XE 12000



SWIFTERDISC XE



# SWIFTERDISC

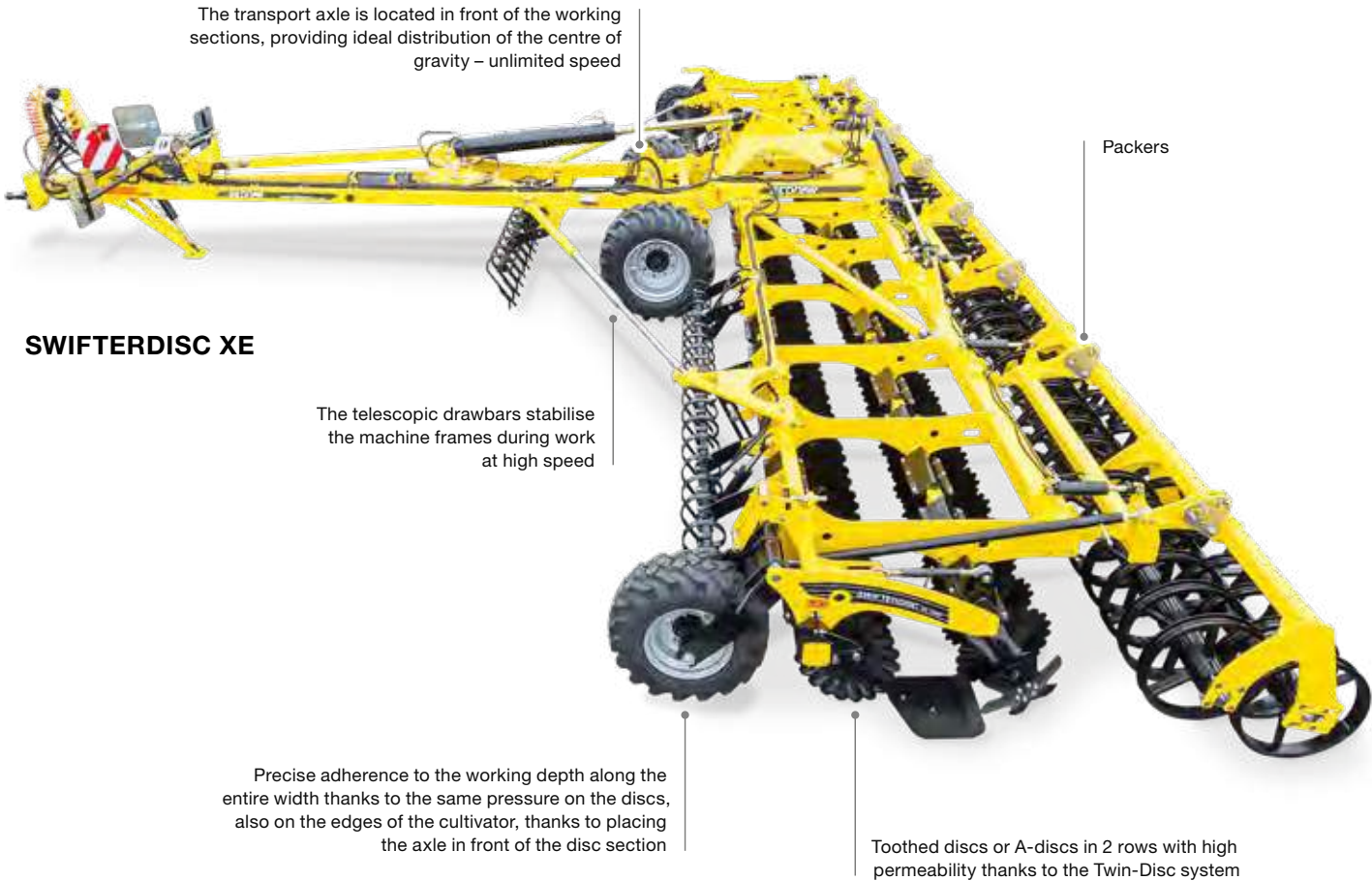
Disc Cultivator

soil cultivation



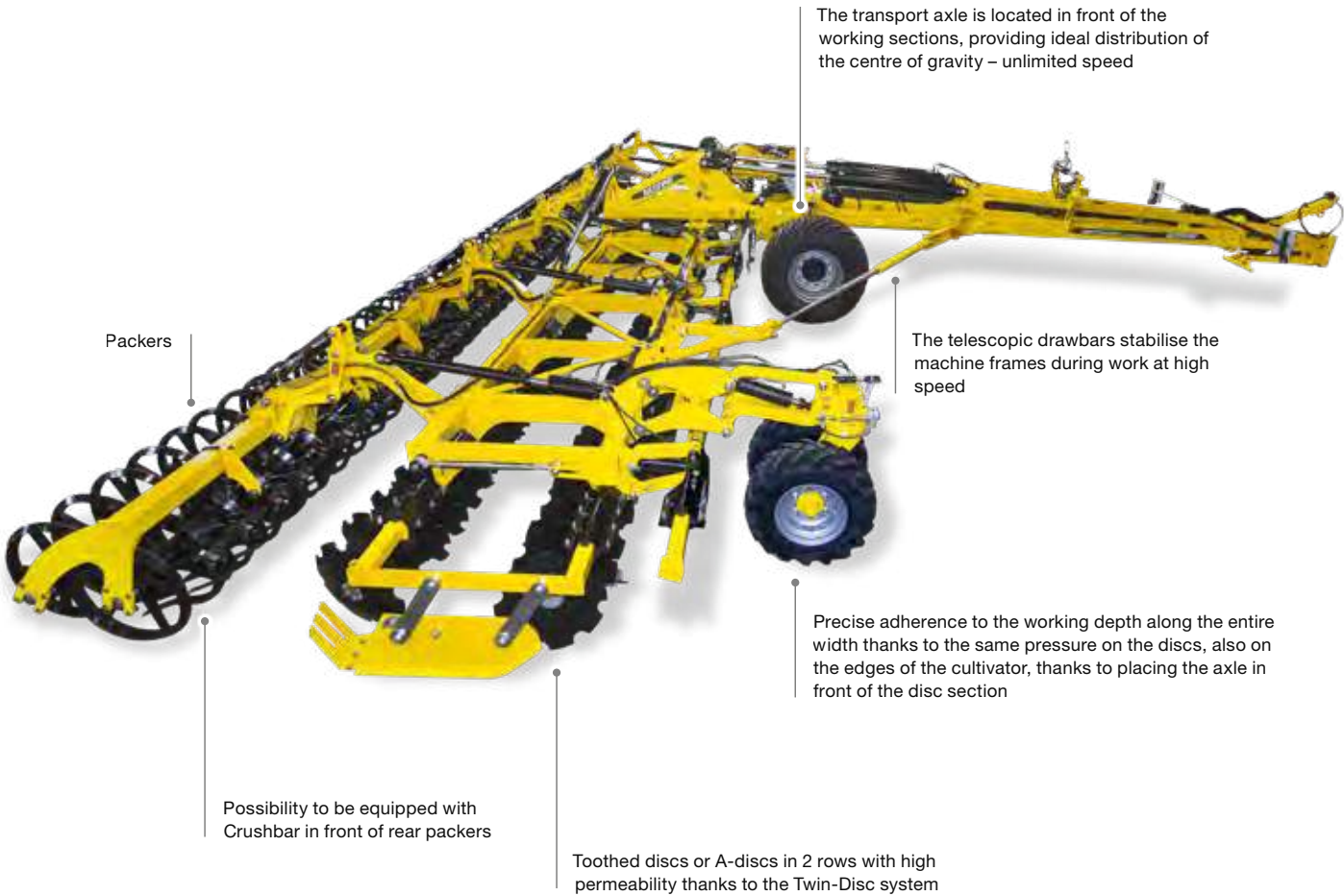
### ADVANTAGES OF ELECTROHYDRAULIC MACHINE CONTROL

- ✓ **ISOBUS** Compatible.
- 🔧 **Fully automatic** fold/unfold sequence with one button.
- 📊 **All operating parameters** are set only by entering the terminal values. The hydraulic cylinders are automatically adjusted to the correct position.
- ⬆️ **Immediate adjustment of the machine** for different soil properties.
- 🔄 **Possibility to adjust working depth** and other machine settings when driving from the tractor cab.
- ⚙️ **Relief function** – used when the tractor does not have enough power, for example uphill.
- 📍 **Supports ISOBUS TC** – working depth adjustment according to the map, possibility to record working depth/speed/hectares/hours while driving the machine for subsequent analysis.
- 🔧 **SECTION CONTROL** – automatic lifting and countersinking at headland.
- 🔍 **Loadsensing** – ensures that the hydraulic pump in the tractor always runs optimally.



SWIFTERDISC XE

### SWIFTERDISC XE\_PROFI



### SWIFTERDISC XE

|                     |     | XE 10000    | XE 12400     | XE 10000 PROFI | XE 12400 PROFI |
|---------------------|-----|-------------|--------------|----------------|----------------|
| Working width       | m   | 10          | 12.4         | 10             | 12.4           |
| Transport width     | m   | 3           | 3            | 3              | 3              |
| Transport length    | m   | 7.5–8.7     | 8.1–9.2      | 7–8            | 8–9            |
| Working depth*      | cm  | 2–12        | 2–12         | 2–14           | 2–14           |
| Number of discs     | pcs | 80          | 96           | 80             | 99             |
| Diameter of discs   | mm  | 520/560     | 520/560      | 520/560        | 520/560        |
| Total weight**      | kg  | 7,700–9,300 | 8,600–10,800 | 9,500–12,000   | 10,500–13,000  |
| Recommended output* | HP  | 300–350     | 400–450      | 350–450        | 400–620        |

\* depends on soil conditions \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.



ATLAS is a heavy disc cultivator designed for deeper stubble cultivation in fields with large crop residue. ATLAS is a state-of-the-art disc cultivator that excels in its universal use in both dry and wet conditions. ATLAS is your secured bet.

ATLAS AO\_PROFI





ATLAS AN PROFI

|                     |     | AN 3000 PROFI | AN 3500 PROFI |
|---------------------|-----|---------------|---------------|
| Working width       | m   | 3             | 3.5           |
| Transport width     | m   | 3             | 3.5           |
| Transport length    | m   | 3             | 3.3           |
| Working depth*      | cm  | 6–16          | 6–16          |
| Number of discs     | pcs | 24            | 28            |
| Diameter of discs   | mm  | 620           | 620           |
| Total weight**      | kg  | 2,600–2,800   | 2,800–3,350   |
| Recommended output* | HP  | 150–240       | 170–260       |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.



FLEXI-BOX

Maintenance-free design for attaching tines to the frame. Each pin is fixed in a case with special segments. This design is maintenance free (does not require lubrication) and it also absorbs micro-vibrations transferred from the discs to the frame.



HORIZONTAL NON-STOP  
TINE PROTECTION

The non-stop protection is formed by a horizontal spring. The springs provide ideal pressure on soil. The bent tine together with the non-stop system provides precise guidance of each disc.



MAINTENANCE-FREE  
BEARINGS

The discs are mounted in ball bearings with lifelong filling and no need for maintenance. The tightness of the bearing is ensured with a cartridge git seal.





**TRASH CUTTER**

The cutting roller is located in the front part of the machine. The roller is formed by sharp edges mounted in a helix. A small diameter of the roller provides a high circumferential speed. The down pressure of the roller is controlled hydraulically from the tractor cabin. The trash cutter is ideal for cutting brittle, longer stems from desiccated oil seed rape, sunflower, frozen cover crop etc.



**CRUSHBAR IN FRONT OF THE REAR ROLLERS**

When ATLAS AO\_PROFI is equipped with double V-ring rollers or double U-ring rollers, it is possible to use the Crushbar in front of the rollers. The field is then nicely levelled after the rollers.



**ELECTRONIC WORKING DEPTH CONTROL**

The ATLAS AO\_PROFI model may be equipped with hydraulic control of the working depth from the tractor cabin. This design is highly precise and comfortable.



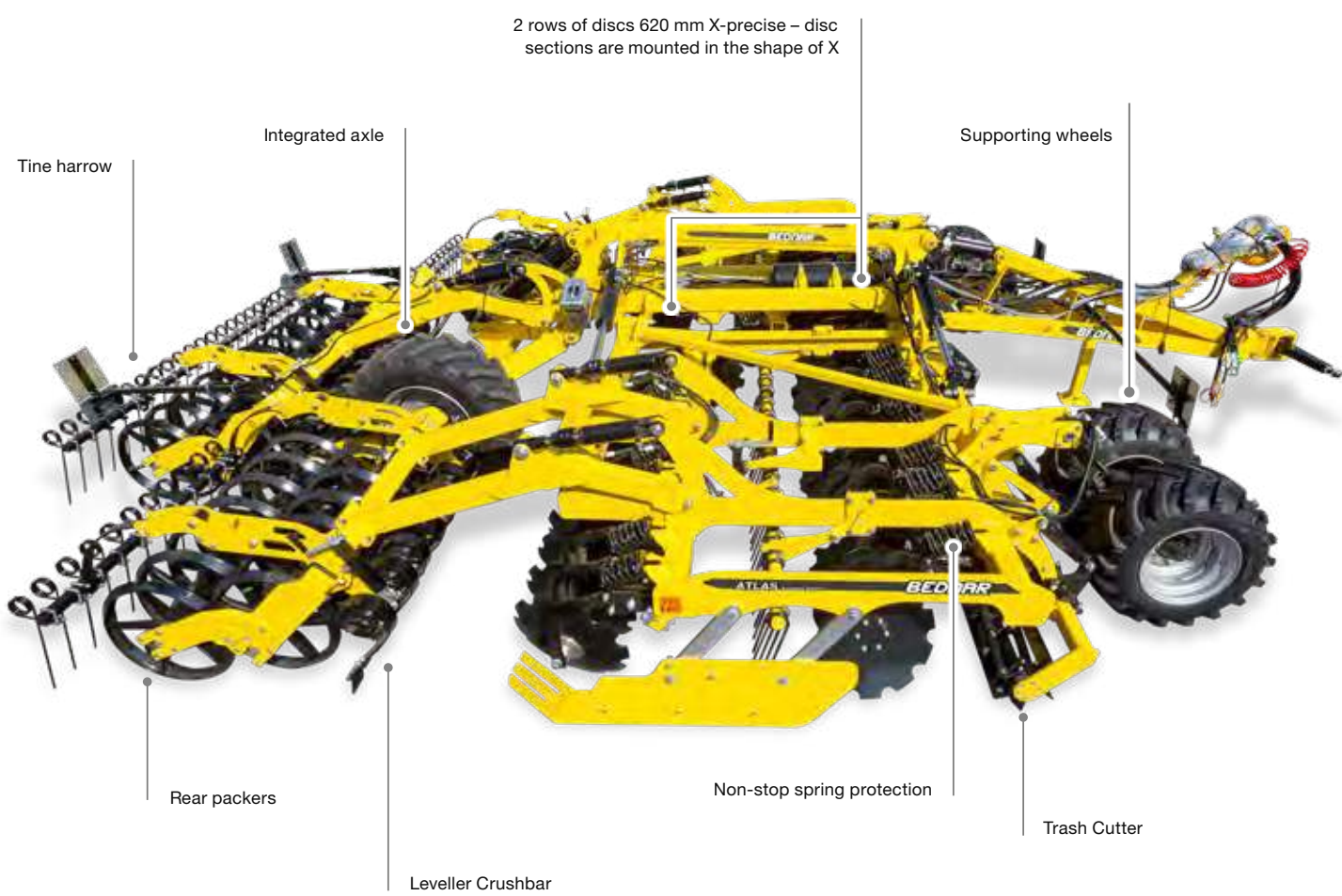
**DOUBLE FRONT SUPPORTING WHEELS**

ATLAS AO\_PROFI may be equipped with double front supporting wheels that guide the machine through the field. The wheels may be controlled hydraulically or electric-hydraulically from the tractor cabin.





ATLAS AO\_PROFI



X-MOUNTED DISC SECTIONS

The ATLAS AO\_PROFI model has working disc sections mounted in the shape of X. It prevents side drifting of the machine, which is a big deficiency of short disc cultivators, especially when the diameter of their discs exceeds 600 mm.



“I bought the machine after I saw it working in a field. I already own two other BEDNAR machines, a straw harrow and a chisel plough, but I wanted to see how the 620 mm discs handle fertiliser. To cut a long story short, the result of the test was fantastic! When compared with disc cultivators I used before, even with larger discs, ATLAS worked perfectly, and I would like to emphasise that at a very high working speed. I believe that it is the outcome of the perfect machine geometry. Considering the long-standing cooperation with BEDNAR, I decided to purchase ATLAS after the first hectare tested.”

Rafał Zalewski, Director

GR Anna Zalewska | Polik (Poland)  
200 ha | ATLAS AO 6000

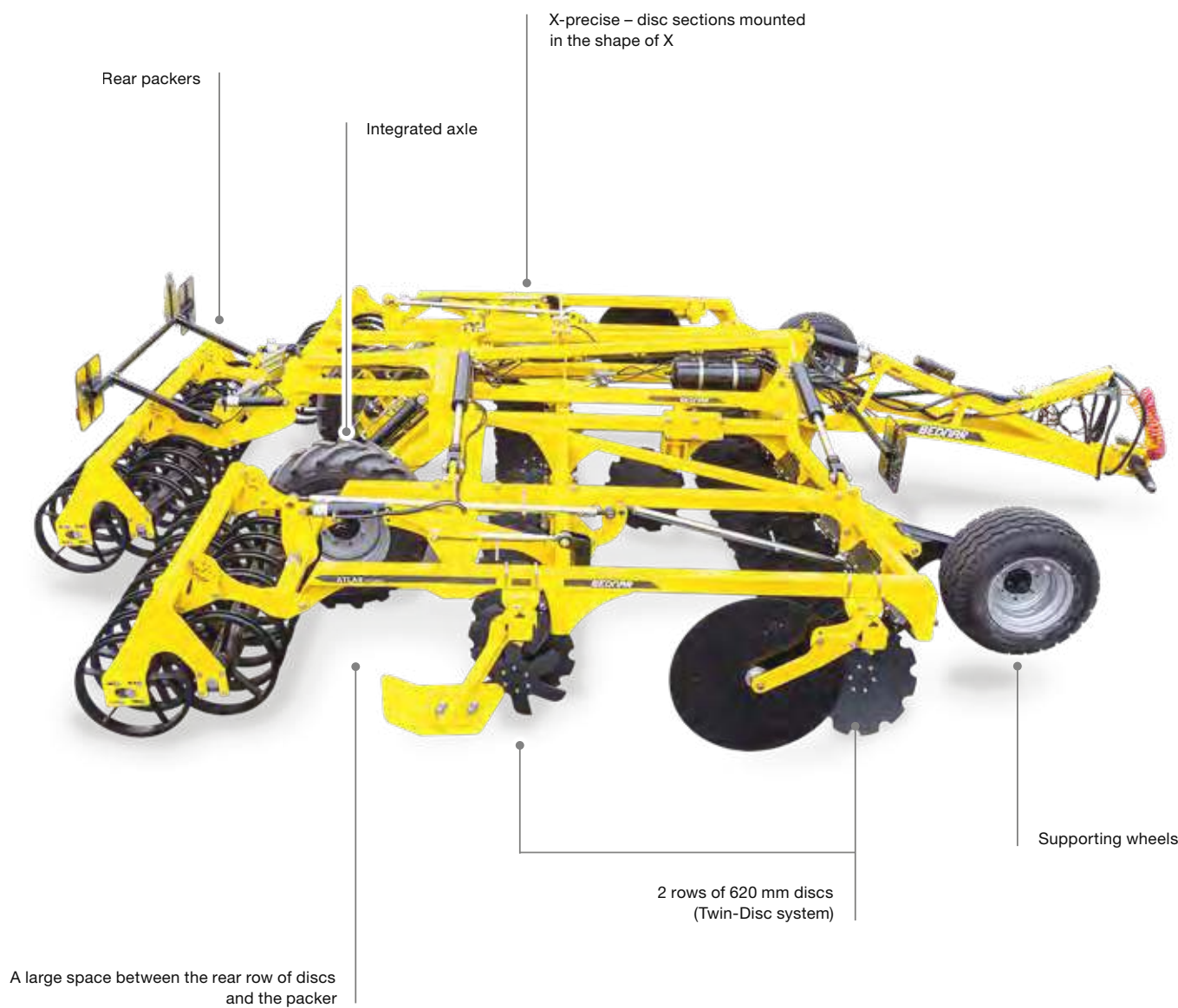
ATLAS AO PROFI

|                     |     | AO 5000 PROFI | AO 6000 PROFI |
|---------------------|-----|---------------|---------------|
| Working width       | m   | 4.9           | 5.9           |
| Transport width     | m   | 2.95          | 2.95          |
| Transport length    | m   | 9.1           | 9.1           |
| Working depth*      | cm  | 6–16          | 6–16          |
| Number of discs     | pcs | 40            | 48            |
| Diameter of discs   | mm  | 620           | 620           |
| Total weight**      | kg  | 6,000–7,400   | 6,800–8,550   |
| Recommended output* | HP  | 200–300       | 250–350       |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.





DISC SIZE 620 × 6 mm

The discs on the ATLAS AO\_L model have a diameter of 620 mm and are protected with rubber segments. The discs are mounted in the Twin-Disc system, i.e. there are two discs on one arm.



DISC SECTIONS MOUNTED IN THE SHAPE OF X

The ATLAS AO\_L model has working disc sections mounted in the shape of X, thus preventing side drifting, which is a large deficiency of short disc cultivators, especially when the diameter of their discs exceed 600 mm.

ATLAS AO\_L

|                     |     | AO 4000 L   | AO 5000 L   | AO 6000 L   | AO 8000 L    |
|---------------------|-----|-------------|-------------|-------------|--------------|
| Working width       | m   | 4           | 5           | 6           | 7.2          |
| Transport width     | m   | 2.95        | 2.95        | 2.95        | 3            |
| Transport length    | m   | 8.3         | 8.3         | 8.3         | 8.4          |
| Working depth*      | cm  | 6–16        | 6–16        | 6–16        | 5–15         |
| Number of discs     | pcs | 32          | 40          | 48          | 60           |
| Diameter of discs   | mm  | 620         | 620         | 620         | 620          |
| Total weight**      | kg  | 5,300–6,000 | 6,000–6,800 | 6,700–7,600 | 8,700–11,000 |
| Recommended output* | HP  | 200–230     | 260–300     | 300–340     | 350–400      |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.





NO SIDE DRIFTING

Side drifting is a disadvantage of short disc cultivators. Technically, the drifting can be prevented by mounting the disc sections into the shape of X, such as in the ATLAS AE 10000 PROFI and AE 12400 PROFI model.



FRONT PIVOTING WHEELS

In the front, ATLAS AE\_PROFI has double robust pivoting wheels that guide the machine through the field smoothly. The pivoting wheels are a great advantage at headlands where they reduce the turning radius.



ELECTRIC-HYDRAULIC CONTROL OF THE MACHINE

This function provides precise control of the machine where it is possible to perform all the machine settings (depth, lifting front discs, recessing discs on the edge of the machine, or drawbar angle) from the driver's cabin without having to get out. While driving, it is possible to change the depth of processing, and above all, it is possible to fold and unfold any machine, no matter how complicated, by pressing one button, which makes work much easier for the operator. Moreover, the machine is equipped with indicators of speed, output and current processed depth, detailed statistics of worked daily and total hectares/ hours/output. The main advantages include easy operation and settings. This system is used in the BEDNAR ATLAS AE\_PROFI cultivator.



TURNING AT HEADLAND USING REAR ROLLERS

ATLAS AE\_PROFI is a wide cultivator that is easy to manoeuvre thanks to its construction, even at headland. The machine turns using rear rollers and front supporting pivoting wheels.



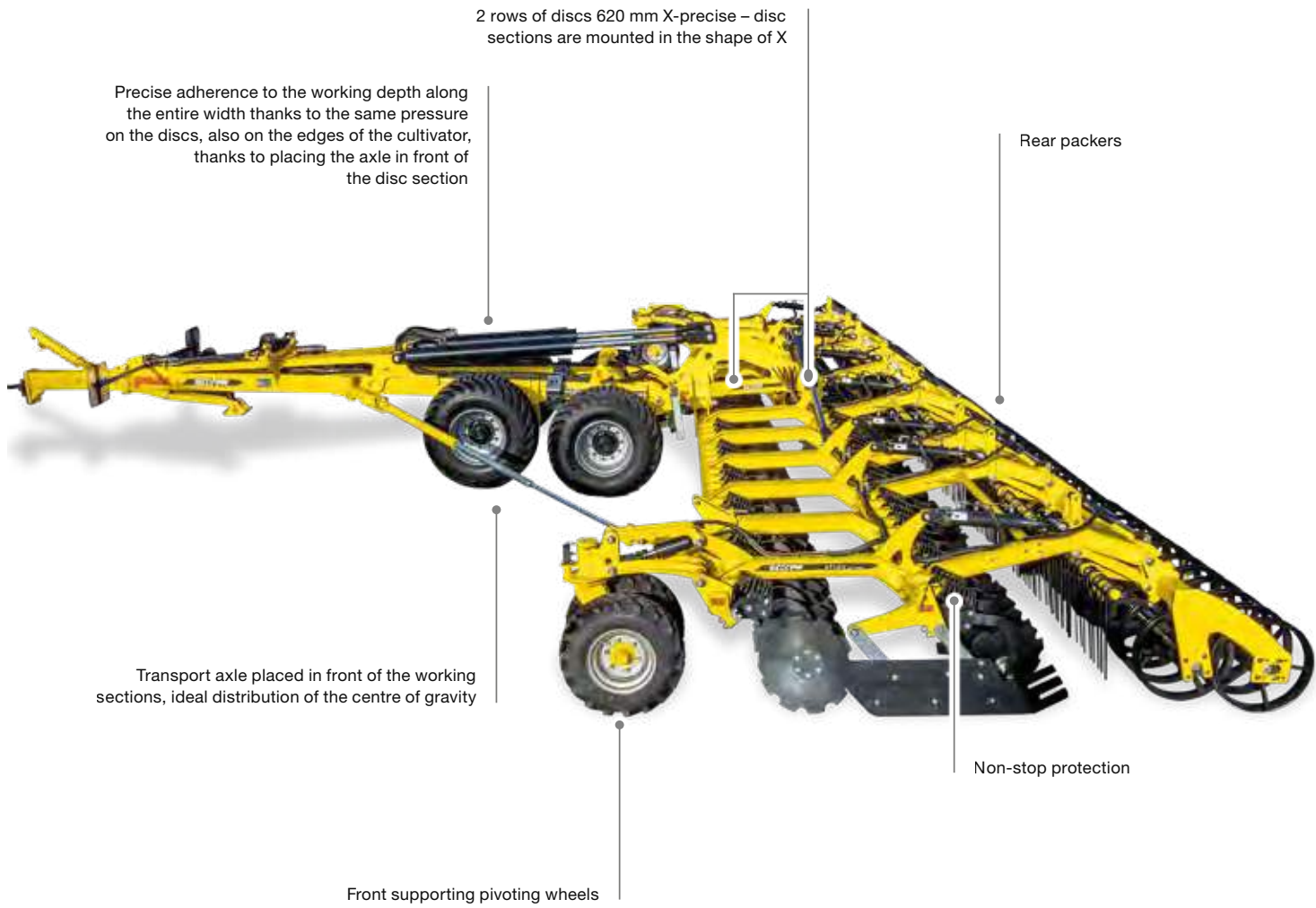
COMPACT TRANSPORT DIMENSIONS

ATLAS AE\_PROFI is folded forward towards the drawbar of the machine. The machine has a transport width of up to 3 m and a transport height of up to 4 m.





ATLAS AE\_PROFI



“We decided to purchase the AE 12 400 disc cultivator with a width of 12 m based on our previous experience with SWIFTERDISC XE 12000. The large width provides for higher work efficiency, which is important today. We are able to work up to 110 ha daily with the machine according to the soil conditions and the area of the field. The ATLAS AE perfectly cuts soil and then mixes crop residue during the pass. A single pass is all you need to cultivate the field along the entire width. The complete automatic control via ISOBUS is a great advantage. It’s perfect. The machine operator does not have to leave the tractor cabin at all. He can even change the settings and the working depth from the tractor cabin, as needed.”

Ing. Jiří Novák, Head of Technical Services

ZAS Bečváry, a. s. | Bečváry (Czech Republic)  
4,300 ha | ATLAS AE 12 400

ATLAS AE PROFÍ

|                     |     | AE 10000 PROFÍ | AE 12400 PROFÍ |
|---------------------|-----|----------------|----------------|
| Working width       | m   | 10             | 12             |
| Transport width     | m   | 3              | 3              |
| Transport length    | m   | 11.7           | 12.7           |
| Working depth*      | cm  | 6–16           | 6–16           |
| Number of discs     | pcs | 80             | 100            |
| Diameter of discs   | mm  | 620            | 620            |
| Total weight**      | kg  | 12,900–14,100  | 15,200–16,600  |
| Recommended output* | HP  | 450–550        | 550–600        |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.



SWIFTER  
Seedbed Cultivator

soil cultivation

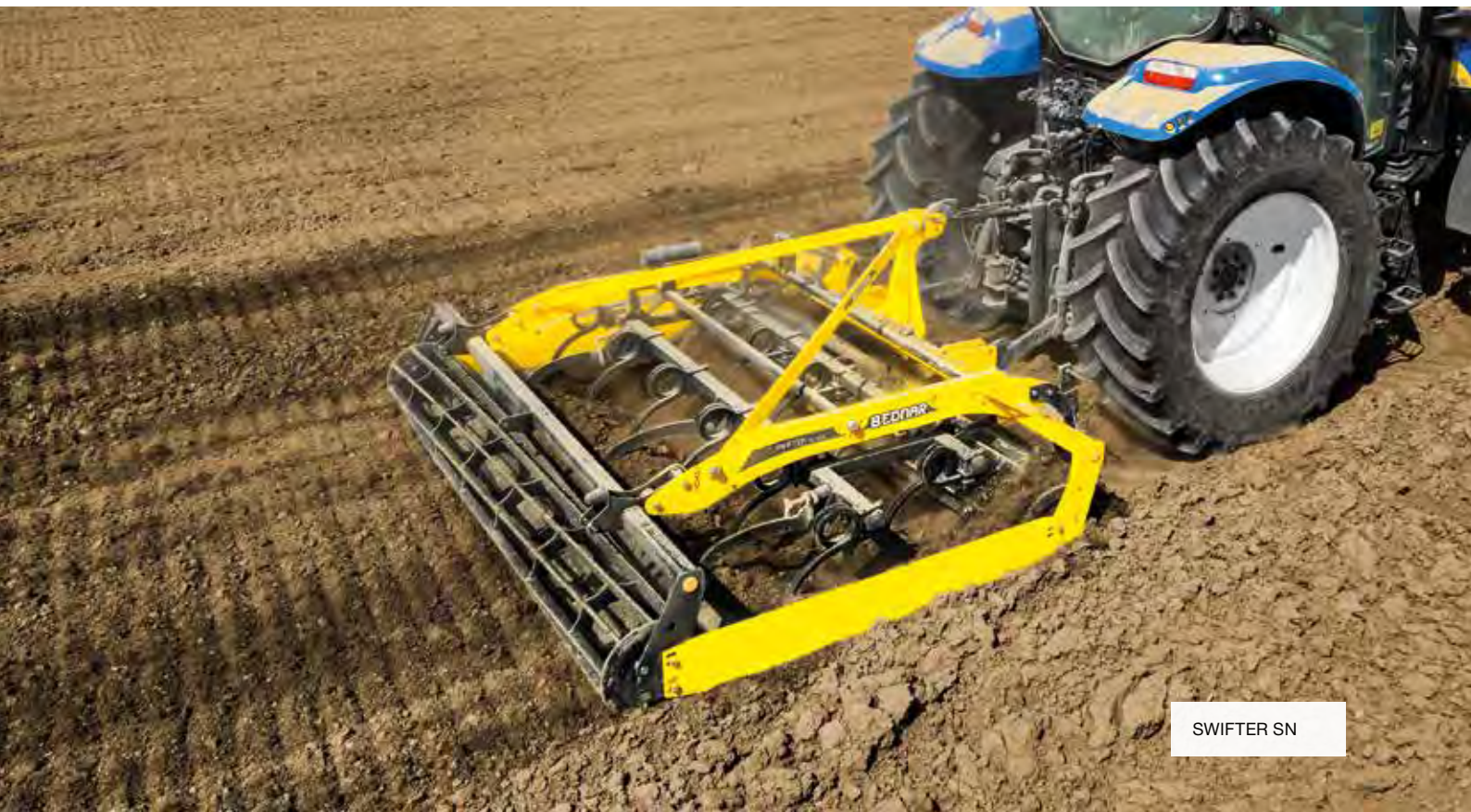


SWIFTER is a traditional seedbed cultivator that allows you to combine all operations needed for the perfect seedbed preparation, even in a deep ridge, into a single pass at a high speed.

SWIFTER SO PROFI

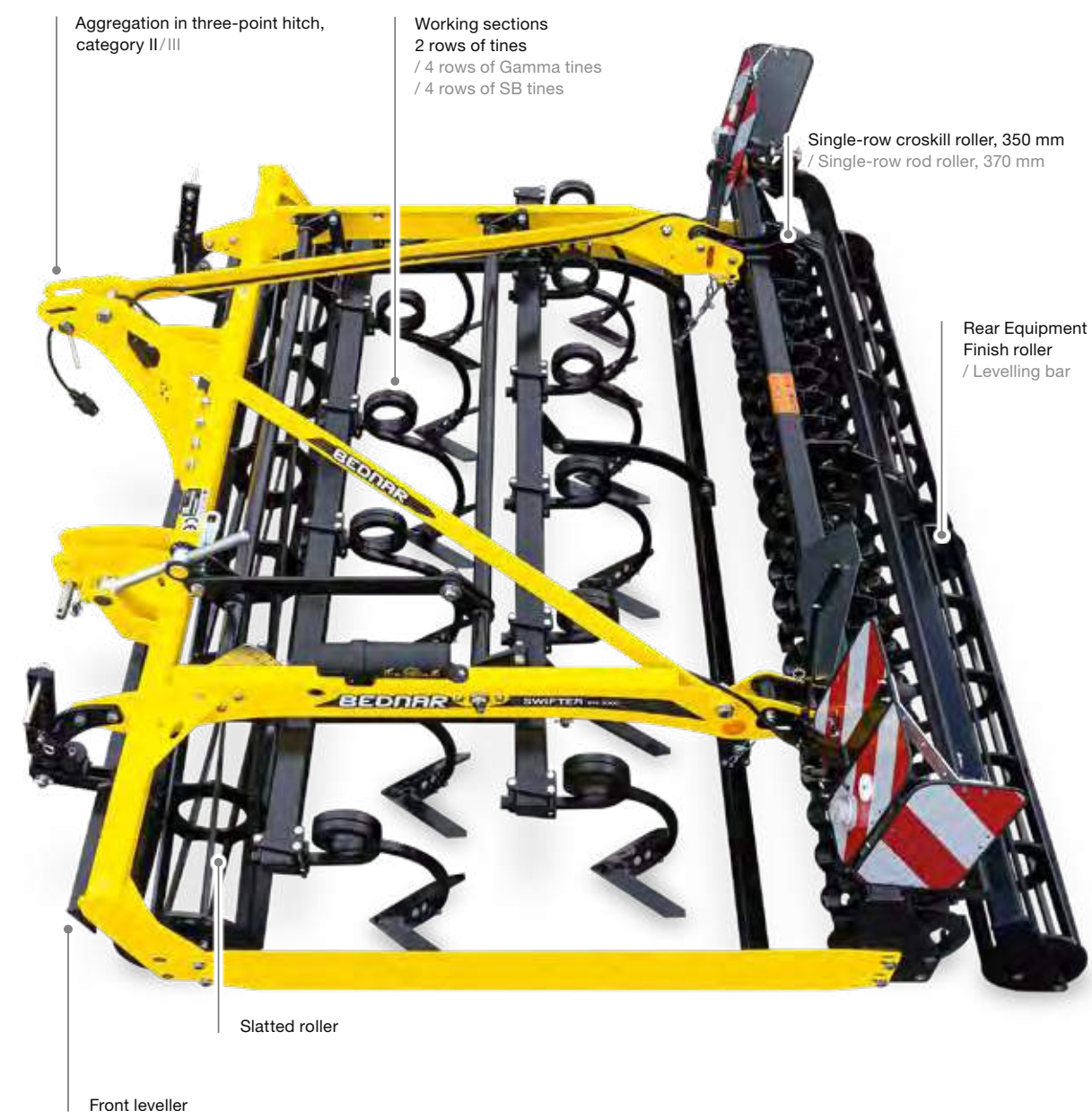
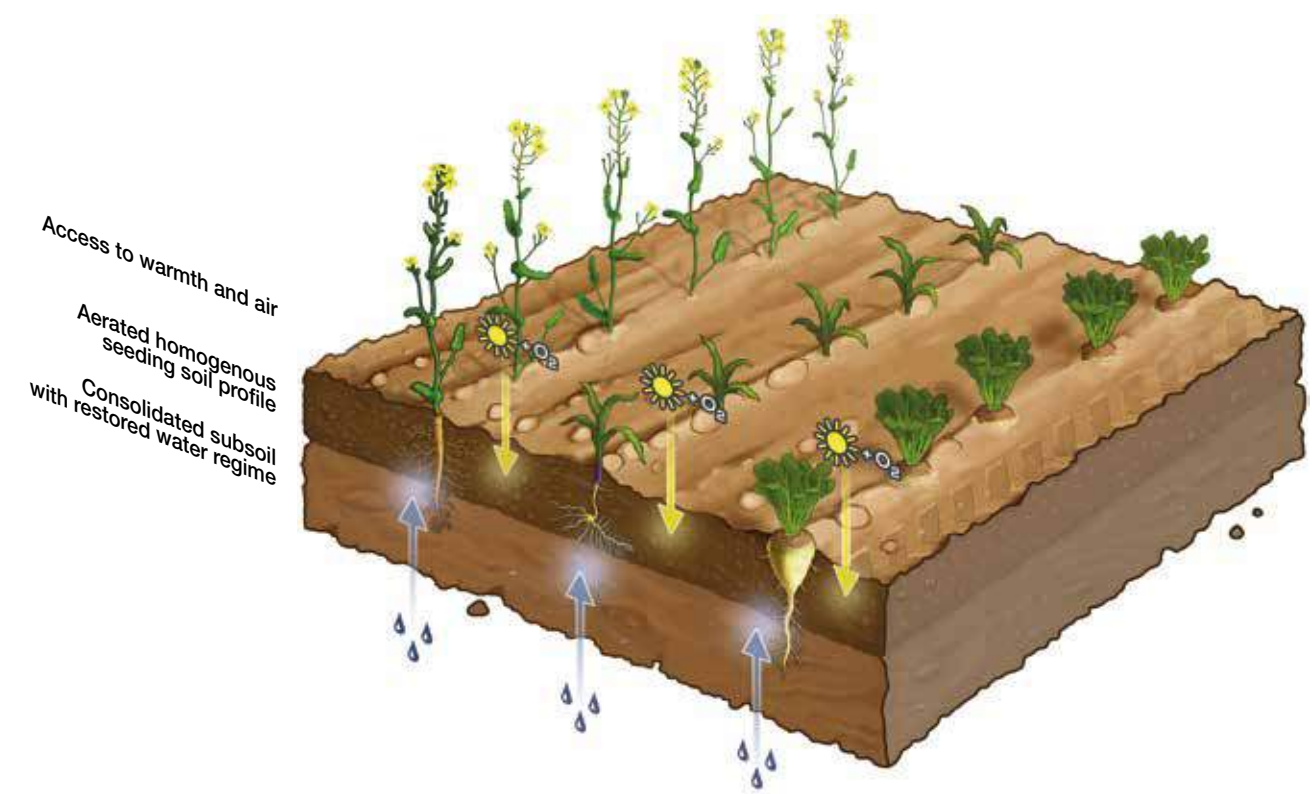


SWIFTER  
Seedbed Cultivator



SWIFTER SN

UNIFORM EMERGENCE OF GROWTH IN IDEAL CONDITIONS



SWIFTER SN

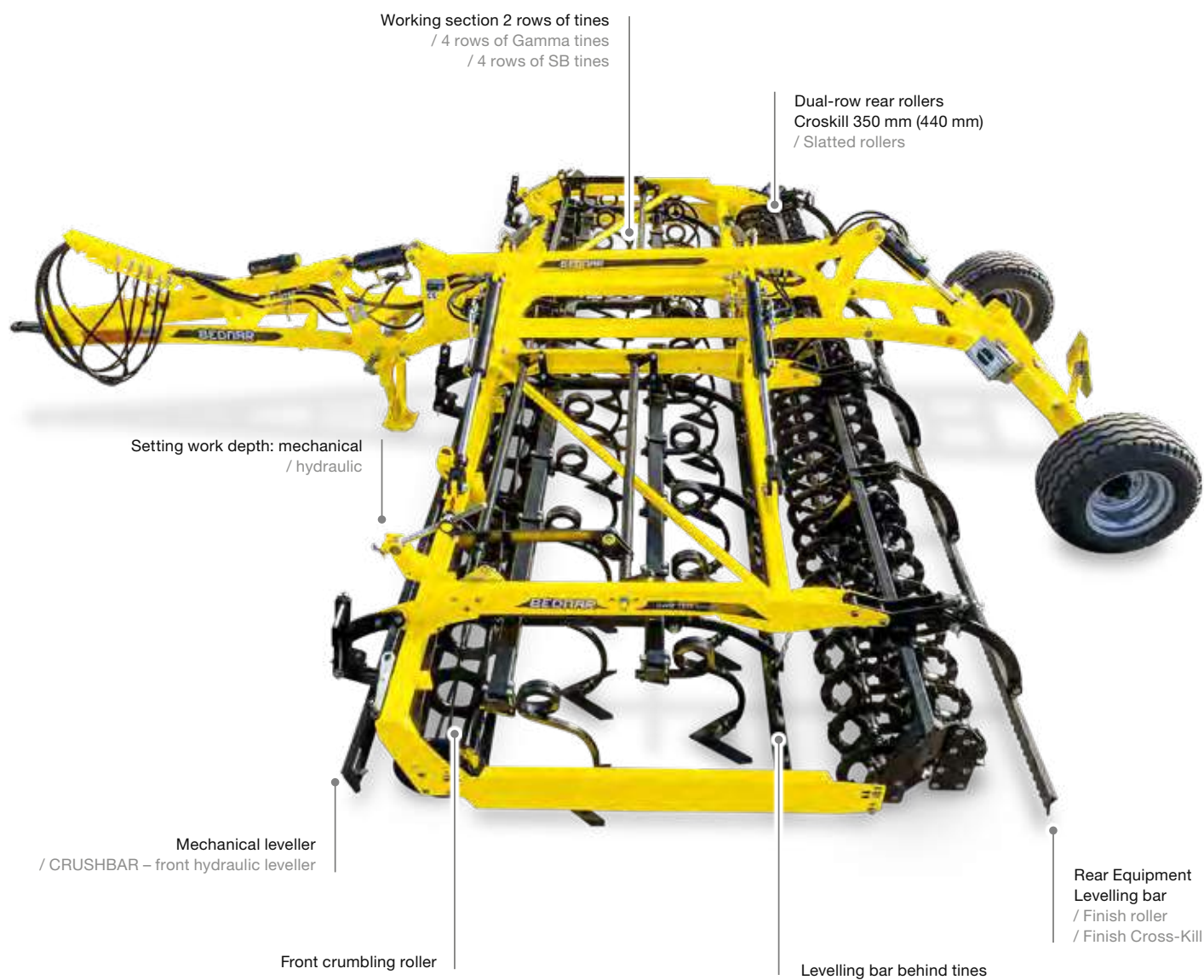
|                              |     | SN 3000     | SN 4000     | SN 4000 R   | SN 5000     |
|------------------------------|-----|-------------|-------------|-------------|-------------|
| Working width                | m   | 3           | 4           | 4           | 5           |
| Transport width              | m   | 3           | 2.33        | 4           | 3           |
| Transport length             | m   | 2.75        | 3.02        | 3           | 2.7         |
| Working depth*               | cm  | 2–12        | 2–12        | 2–12        | 2–12        |
| Number of tines              | pcs | 12          | 16          | 16          | 20          |
| Number of tines (SB-section) | pcs | 19          | 30          | 30          | 38          |
| Number of Gamma tines        | pcs | 29          | 40          | 40          | 48          |
| Total weight**               | kg  | 1,080–1,410 | 1,650–2,080 | 1,510–2,120 | 2,300–2,850 |
| Recommended output*          | HP  | 90–120      | 140–160     | 140–160     | 145–200     |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.



SWIFTER  
Seedbed Cultivator



CRUSHBAR – FRONT HYDRAULIC LEVELLER

Levels off rough unevenness before the working parts that follow. The hydraulic control allows for an immediate reaction to the field unevenness from the cabin.



FINISH ROLLER WITH A DIAMETER OF 270 mm

The high circumferential speed provides intense crumbling, i.e. the „effect of soil cutter“. In combination with the crosskill rollers, you can achieve maximum soil crumbling.



DUAL-ROW CROSSKILL

An ideal solution for all types of soil. High-quality alloy rollers with a diameter of 350/440 mm for precise fine crumbling with an self-cleaning effect.



MAINTENANCE-FREE REAR ROLLER BEARINGS

Multiple sealing prevents the penetration of impurities into the bearing and the reinforced sealing construction eliminates the risk of damage. The bearing is maintenance free.

SWIFTER SO\_F

|                              |     | SO 4000 F   | SO 5000 F   | SO 6000 F   | SO 7000 F   | SO 8000 F   |
|------------------------------|-----|-------------|-------------|-------------|-------------|-------------|
| Working width                | m   | 4           | 5           | 6.2         | 7.2         | 8           |
| Transport width              | m   | 2.7         | 2.7         | 2.7         | 2.7         | 2.95        |
| Transport length             | m   | 7.3         | 7.3         | 7.3         | 7.3         | 7.3         |
| Working depth*               | cm  | 2–12        | 2–12        | 2–12        | 2–12        | 2–12        |
| Number of tines              | pcs | 16          | 20          | 24          | 28          | 32          |
| Number of tines (SB-section) | pcs | 30          | 38          | 45          | 51          | 59          |
| Number of Gamma tines        | pcs | 34          | 44          | 54          | 64          | 74          |
| Total weight**               | kg  | 3,200–4,000 | 3,600–4,700 | 4,100–5,700 | 4,300–5,700 | 4,800–6,100 |
| Recommended output*          | HP  | 120–150     | 145–200     | 155–215     | 180–220     | 210–230     |

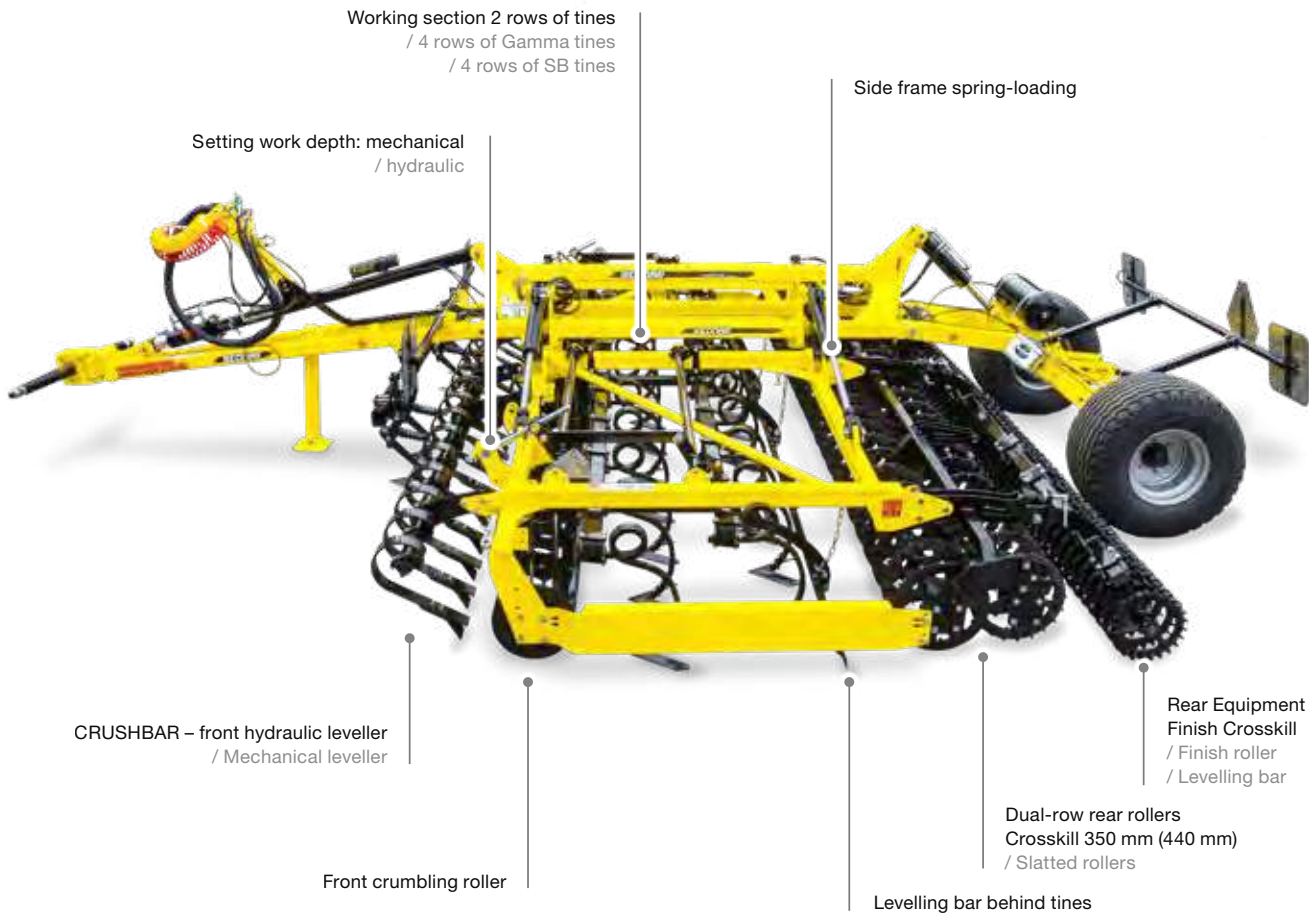
\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.





Swifter SO\_PROFI



SPRING-LOADED FRAMES

SWIFTER SO\_PROFI has spring-loaded side frames. This design makes it possible to work with the machine at higher speeds. All impacts are absorbed by the springs and they are not transferred onto the main frame and the tractor.



FINISH CROSSKILL

SWIFTER SO\_PROFI is equipped with a finish crosskill roller. This end crosskill has a diameter of 350 mm and completes the entire operation. This finish crosskill is important mainly for winter oil seed rape cultivators – it prepares the seedbed perfectly in the dry summer months. The finish crosskill is also great for sugar beet growers. The finish crosskill compacts the topsoil layer which accelerates and improves sugar beet emergence.

SWIFTER SO PROFİ

|                              |     | SO 4000 PROFİ | SO 5000 PROFİ | SO 6000 PROFİ |
|------------------------------|-----|---------------|---------------|---------------|
| Working width                | m   | 4             | 5             | 6             |
| Transport width              | m   | 3             | 3             | 3             |
| Transport length             | m   | 7.8           | 8             | 8             |
| Working depth*               | cm  | 2–12          | 2–12          | 2–12          |
| Number of tines              | pcs | 16            | 20            | 24            |
| Number of tines (SB-section) | pcs | 29            | 38            | 45            |
| Number of Gamma tines        | pcs | 36            | 44            | 54            |
| Total weight**               | kg  | 3,000–4,500   | 3,500–4,950   | 3,500–5,450   |
| Recommended output*          | HP  | 120–150       | 140–200       | 160–230       |

\* depends on soil conditions    \*\* acc. to the equipment

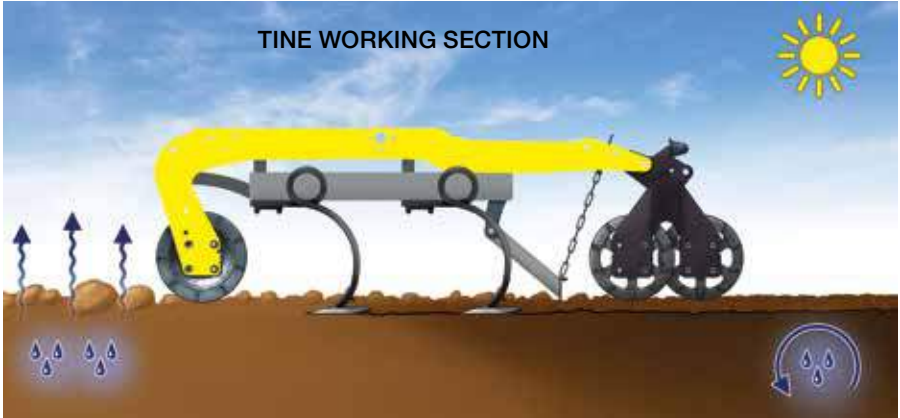
The offer of rear packers and rollers can be found on page 170.



# SWIFTER

Seedbed Cultivator

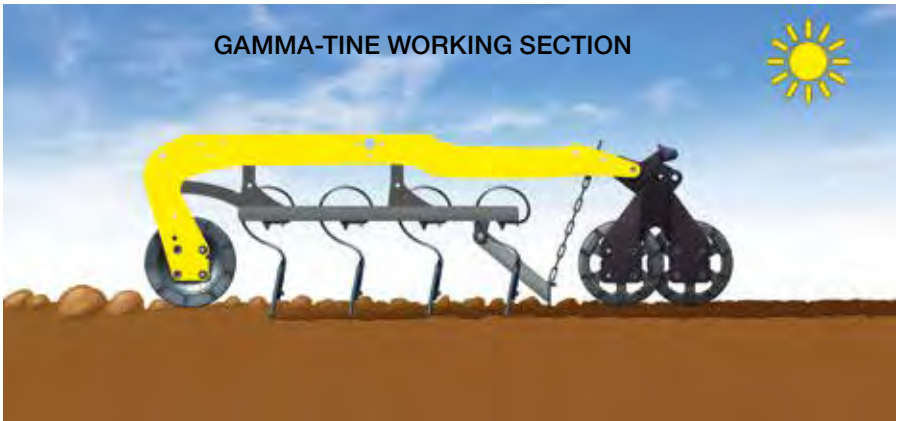
## CHOOSE A SUITABLE WORKING SECTION



**Use for** summer and autumn preparation when soil needs to be aerated and mixed after the previous harvest.

The 270-milimetre tines in 2 rows with overlap guarantee undercutting the soil profile along the entire machine width, thus creating a solid bed. At the same time, the soil is processed aggressively thanks to the working angle of the tines, creating an aerated topsoil.

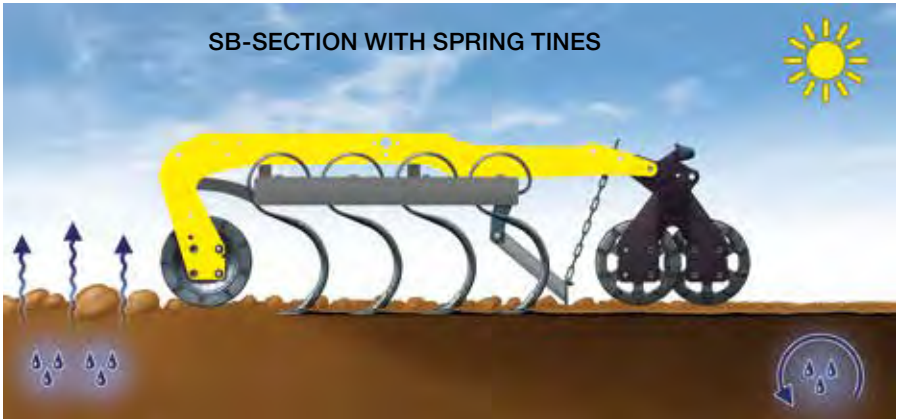
Each tine is mounted on a flexi-tine providing the „3D effect“ (horizontal and vertical movement), which protects the tine from damage.



**Use for** spring seedbed preparation while preserving winter moisture in soil.

Four rows of gamma tines loosen, aerate and warm up soil without bringing wet particles up to the surface to preserve autumn moisture, important for quick take-off of the spring crop growth.

Each tine is spring-loaded to allow for work at a high speed of up to 15 km/h, bringing you economy in time, needed so much in spring.



**Use for** spring seedbed preparation with preserving moisture. Suitable especially for sugar beet.

The spring tines mounted in 4 rows on S-tines provide quality soil cultivation in spring. The share angle does not cause vertical soil mixing and therefore preserves spring moisture, important for the quality and rate of crop germination. Moreover, they also reduce the demand on the pulling vehicle.

S-tines can also be equipped with overlapping 150 x 4 mm tines, or with 70 x 6 mm Duck Foot tines.

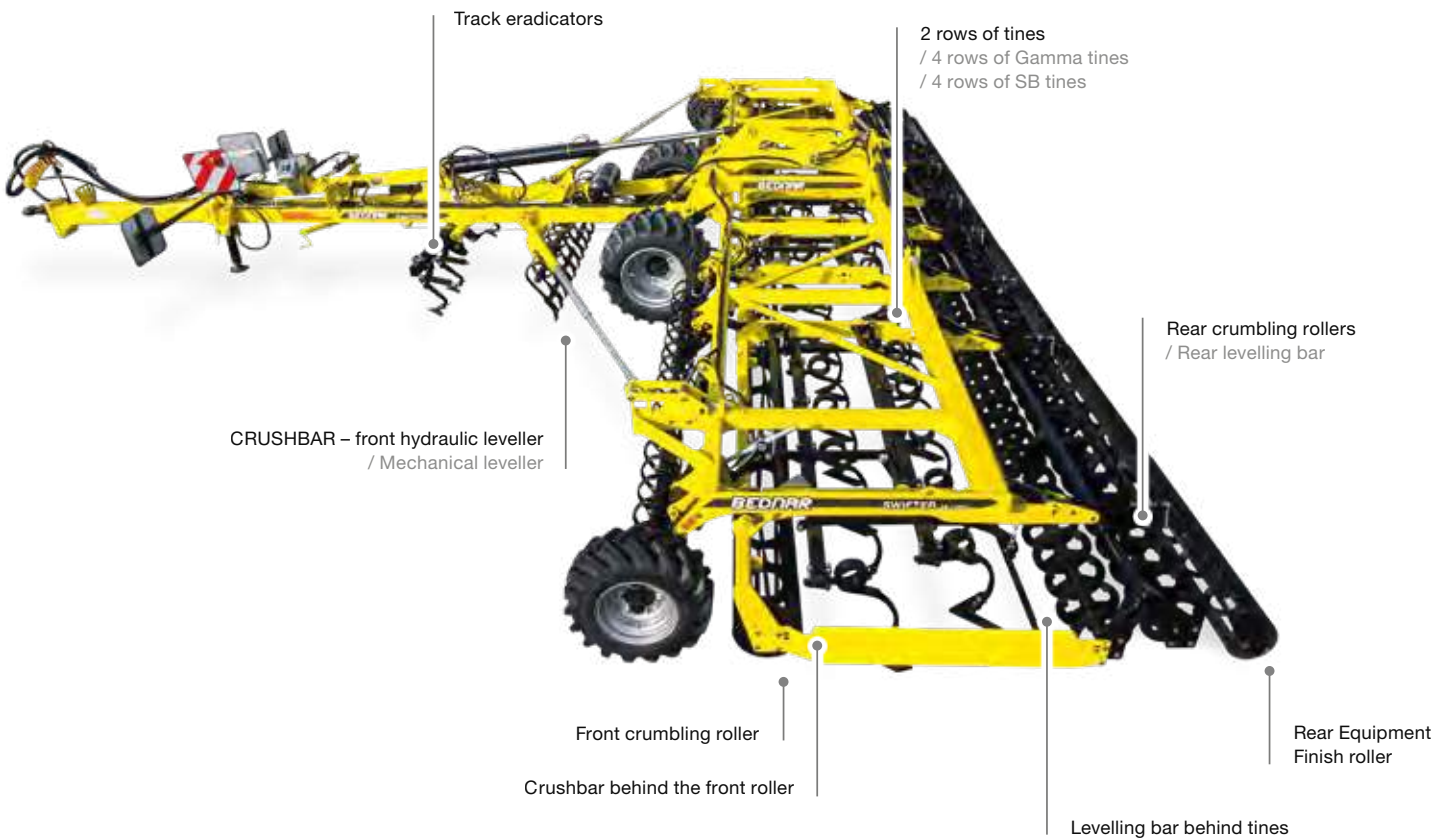


“We chose a SWIFTER SO 7000 F based on our positive experience with SWIFTERDISC as our previous seedbed cultivator used to choke at a working speed exceeding 10 km/h. So, we decided to purchase a cultivator by BEDNAR. SWIFTER provides high-quality work at high working speed and very good output.”  
Fenyvesi Tibor, Chief Agronomist

Dunavecsei MG. Zrt.  
Bács-Kiskun (Hungary)  
1,800 ha | SWIFTER SO 7000 F



SWIFTER  
Seedbed Cultivator



“Our farm has been using a SWIFTER for seedbed preparation for corn, wheat and beet. We are very satisfied with its work.”  
Kurt Gerhold, Head of the Farm

ABG Bageritz (Germany)  
4,300 ha  
SWIFTER SE 10000

SWIFTER SE

|                              |     | SE 8000     | SE 10000    | SE 12000    |
|------------------------------|-----|-------------|-------------|-------------|
| Working width                | m   | 8.2         | 10.2        | 12.2        |
| Transport width              | m   | 3           | 3           | 3           |
| Transport length             | m   | 6.9         | 7.5         | 8.6         |
| Working depth*               | cm  | 2–12        | 2–12        | 2–12        |
| Number of tines              | pcs | 32          | 40          | 48          |
| Number of tines (SB-section) | pcs | 60          | 74          | 88          |
| Number of Gamma tines        | pcs | 78          | 96          | 116         |
| Total weight**               | kg  | 5,900–6,500 | 6,500–8,500 | 8,100–9,900 |
| Recommended output*          | HP  | 220–260     | 280–330     | 330–380     |

\* depends on soil conditions    \*\* acc. to the equipment

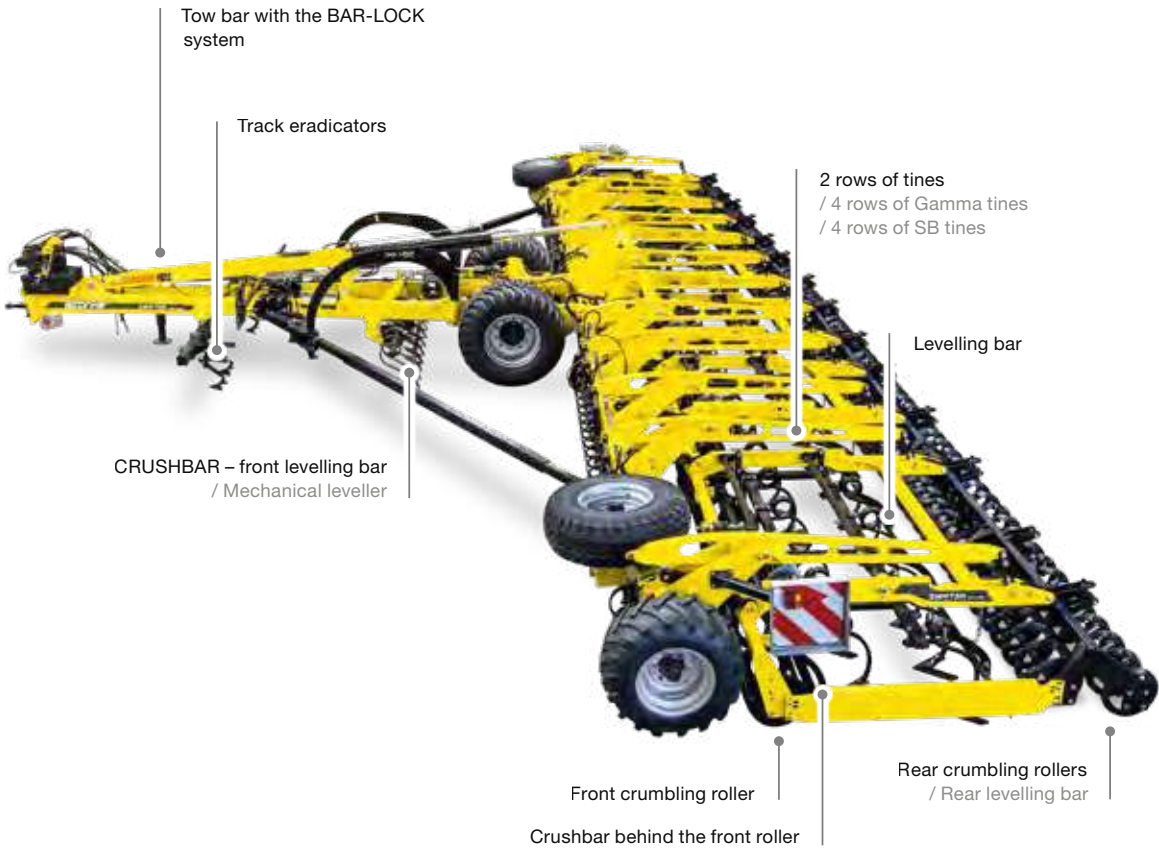
The offer of rear packers and rollers can be found on page 170.



SWIFTER  
Seedbed Cultivator



Swifter SM



BAR-LOCK

The machine is equipped with a Bar-Lock system that enables easy folding and unfolding of the machine from the tractor cabin. Moreover, it also allows reversing when the machine is unfolded.



COMPACT DIMENSIONS

All SWIFTER seedbed cultivator models have a maximum transport width of 3 m and transport height of 4 m, including SWIFTER SM 18000.

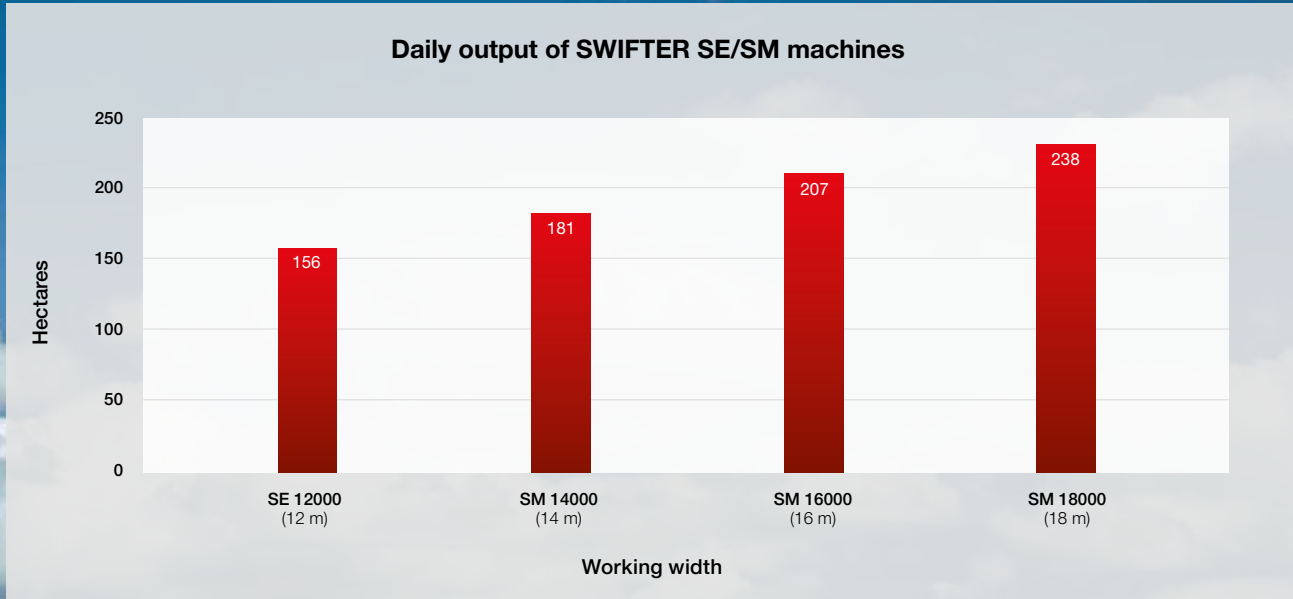
SWIFTER SM

|                              |     | SM 14000      | SM 16000      | SM 18000      |
|------------------------------|-----|---------------|---------------|---------------|
| Working width                | m   | 14.2          | 16.2          | 18.2          |
| Transport width              | m   | 3             | 3             | 3             |
| Transport length             | m   | 13.6          | 14.6          | 15.6          |
| Working depth*               | cm  | 2–12          | 2–12          | 2–12          |
| Number of tines              | pcs | 56            | 64            | 72            |
| Number of tines (SB-section) | pcs | 104           | 118           | 132           |
| Number of Gamma tines        | pcs | 136           | 152           | 168           |
| Total weight**               | kg  | 11,600–14,200 | 12,400–15,400 | 13,200–16,600 |
| Recommended output*          | HP  | 400–435       | 450–500       | 500–550       |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.





„We used to have a lot of problems with adhering to the agronomic deadlines at our farm and so we decided to invest into a large tractor with the output of 620 horses, to help us manage everything on time. After testing several machines, we chose BEDNAR, mainly thanks to the experience of this brand with strong tractors. We concluded the first deal directly with Jan BEDNAR and purchased the TERRALAND TO 6000 chisel plough. We were highly satisfied with the machine and so we ordered the SWIFTER SM 16000 seedbed cultivator for the following spring. This machine transformed the quality of our seedbed cultivation to a brand new level. The tasks that required three operations before could be done in a single pass with a SWIFTER, and the output?! Easily 200 hectares per day! We also own the wide SWIFTERDISC XE disc cultivator by BEDNAR.“

Ing. Gabriel Toman, agronom

T-agro, Čeladice (Slovakia)  
2,000 ha  
SWIFTER SM 16000, TERRALAND TO 6000, SWIFTERISC XE 12400

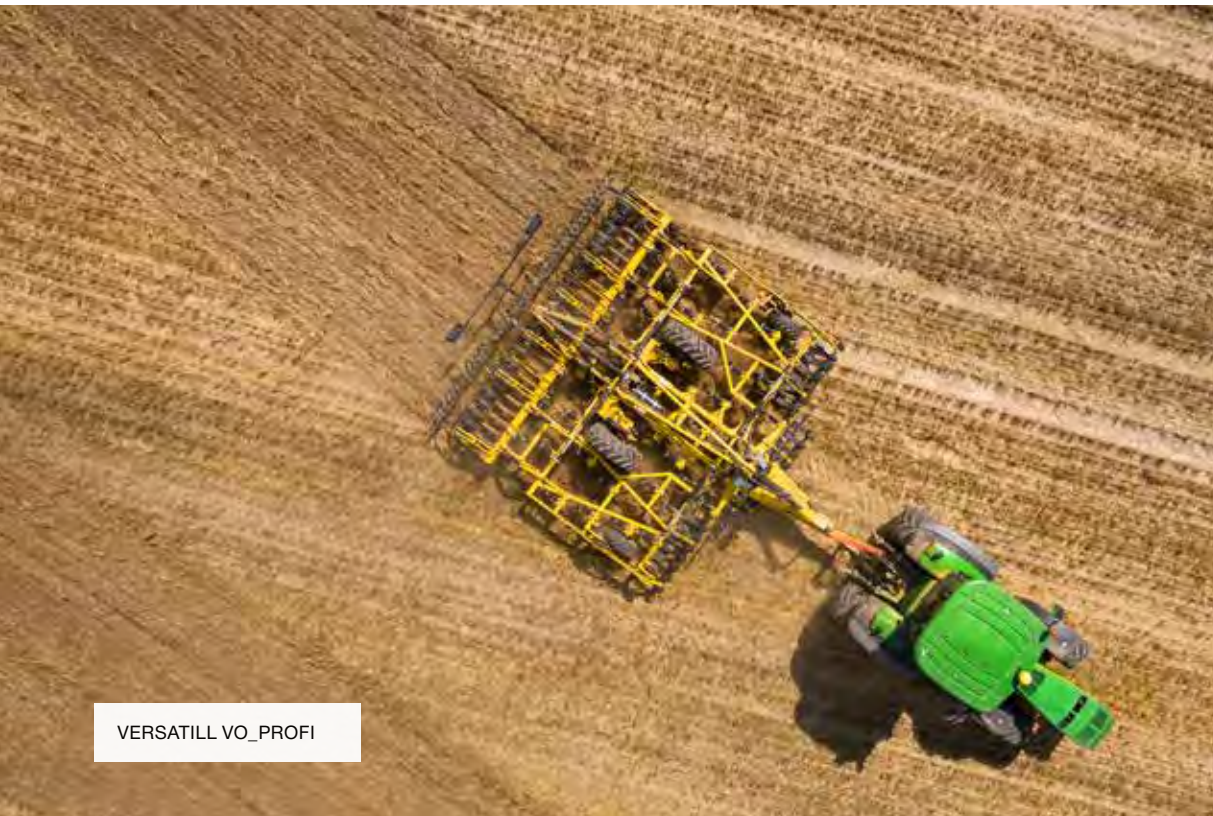




VERSATILL VO\_PROFI is a universal tine cultivator designed for seedbed preparation of land with large quantities of crop residue, or for intense stubble cultivation up to 15 cm.

VERSATILL VO\_PROFI





VERSATILL VO\_PROFI



VERSATILL VO\_PROFI

## FROM STUBBLE CULTIVATION TO SEEDBED PREPARATION

By purchasing a universal machine, you will increase its annual use and get faster return on investment.

Fast stubble cultivation right after harvest prevents drying out of the land, provides mixing of crop residue with soil and controlled second growth. Performing second stubble cultivation eliminates any germinating early crop. In case of an all-area application of organic

fertiliser, you can also incorporate nutrients into the soil profile at the same time.

Moreover, you will level off the field, crumble any clods, aerate and compact the bottom part of the seedbed along the entire profile: all of that in a single pass.

## WHEN YOU WANT TO WORK AT UP TO 15 cm

BEDNAR tested several technical possibilities when designing the VERSATILL VO\_PROFI machine so that the machine would be able to work at a depth of 15 cm, as demanded by farmers, while providing very intense mixing of soil with crop residue. The non-stop spring protection turned out to be the best solution as it firmly holds tines at the pre-set depth and thus creates an even bed!



Long Life Chisel 40 mm



Chisel 40 mm



Tine 200 mm

## NON-STOP SPRING PROTECTION

The BEDNAR VERSATILL VO\_PROFI universal cultivator is equipped with tines with non-stop protection, which is especially important in dry conditions! It is also important when you really want to work at a depth of 15 cm. The release force of the non-stop protection is 250 kg.





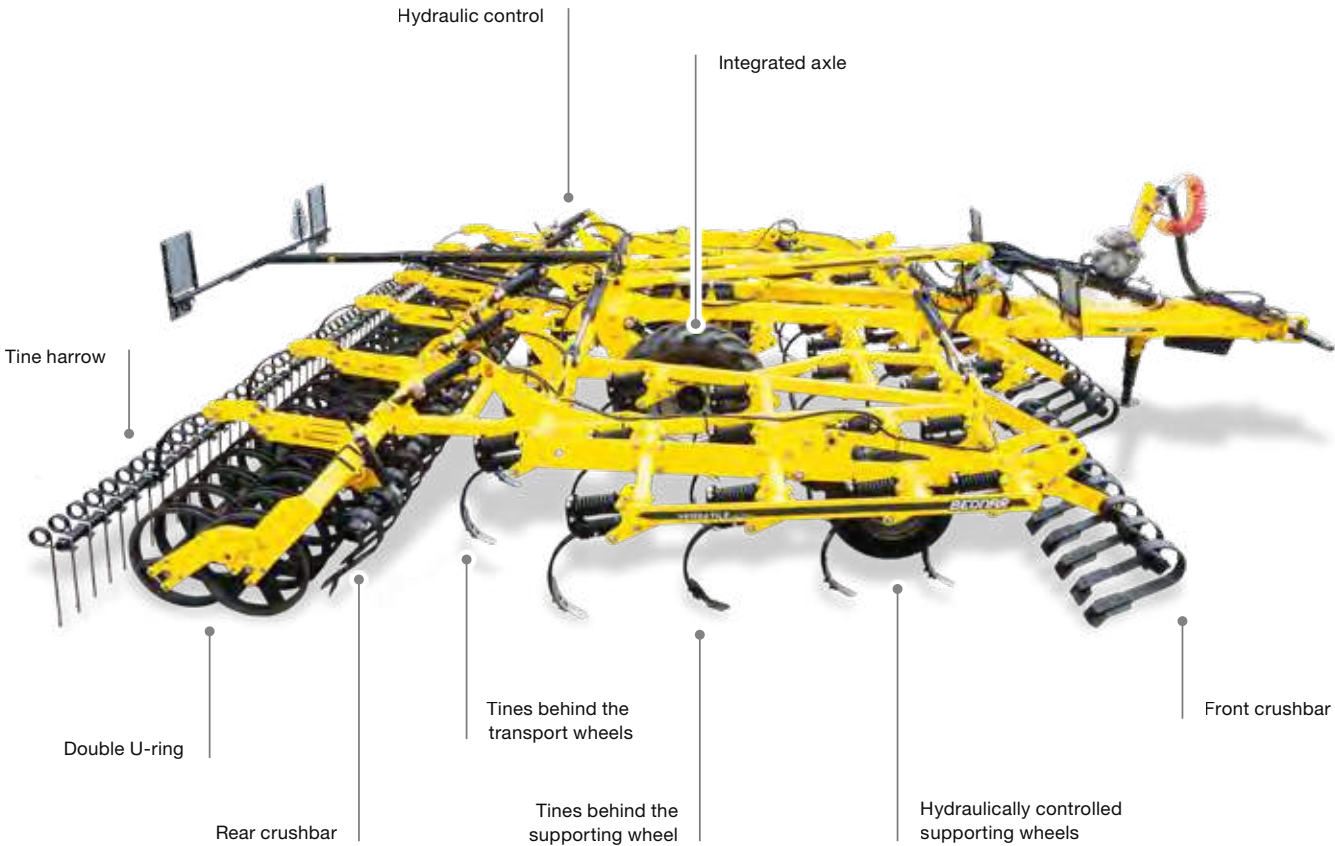
6 ROWS OF TINES, SPACING OF 17 cm

VERSATILL VO 6000 PROFI and VO 7500 PROFI are equipped with 6 rows of tines with a spacing of 17 cm. This design provides high-intensity mixing with perfect undercutting of the stubble field, as well as excellent permeability of the plant material through the machine.



IDEAL FOR MECHANICAL WEED CONTROL

VERSATILL VO 6000 PROFI and VO 7500 PROFI have tines behind the transport axle. It means that it is possible to work without the rear compacting rollers. This design is especially suitable when you want to weed the field! The tines undercut the field and pull out the weeds that dry out on the surface. No more glyphosate!



“The VERSATILL cultivator is true to its name. It is really VERSATILL. It manages cultivation for cereals with perfect sweeps. Its permeability in our rocky soils is high. Thanks to the minimum number of rotating elements on the machine, it does not get jammed and leaves minimum clods behind, even in rocky soils. We use narrow carbide chisels for corn and they work great. Everything is perfect even in shallow stubble cultivation after cereals.”

Josef Hamsa,  
General Manager and Chairman of the Board of Directors

Zemědělské Obchodní Družstvo Habry  
Habry, (Czech Republic) | 1778 ha

VERSATILL VO\_PROFI

|                     |     | VO 6000 PROFI | VO 7500 PROFI |
|---------------------|-----|---------------|---------------|
| Working width       | m   | 6             | 7.5           |
| Transport width     | m   | 3             | 3             |
| Transport length    | m   | 9.1           | 9.1           |
| Working depth*      | cm  | 15            | 15            |
| Number of tines     | pcs | 36            | 44            |
| Spacing of tines    | cm  | 17            | 17            |
| Total weight**      | kg  | 6,400         | 8,100         |
| Recommended output* | HP  | 200–250       | 250–350       |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.



FENIX is a universal cultivator that can be used for stubble cultivation, intense medium-depth cultivation and deep cultivation up to 35 cm.

FENIX FN\_L





FENIX FN\_L



## FROM STUBBLE CULTIVATION TO AERATION

Easy adjustment of the working parts for universal use – all-area stubble field undercutting, deeper aeration, or aeration up to 35 cm. The rear packers and rollers help close and compact the cultivated field. Work without the rear packers when soil is very moist.



## EFFECTIVE FERTILISER APPLICATION

It is hard to increase the potential of your crop without fertilisers. The FENIX universal cultivator in combination with the FERTI-BOX hopper helps you easily apply fertiliser at a depth of up to 35 cm.



## HORIZONTAL PROTECTION FOR FENIX FN\_L (LIGHT)

The horizontal protection protects tines from overload with single maintenance-free non-stop spring protection. The springs are preloaded to resistance starting at 400 kg, with maximum of 450 kg. Invariable geometry on medium-heavy conditions. The protection starts working when the machine hits an obstacle, for example a rock with maximum lifting height of 25 cm. Until then, the share keeps the geometry fixed and works in the precisely defined space without vibrations and lifts.

**Suitable for** medium-heavy to sandy soils.



## SHEAR PIN FOR FENIX FN\_L (LIGHT)

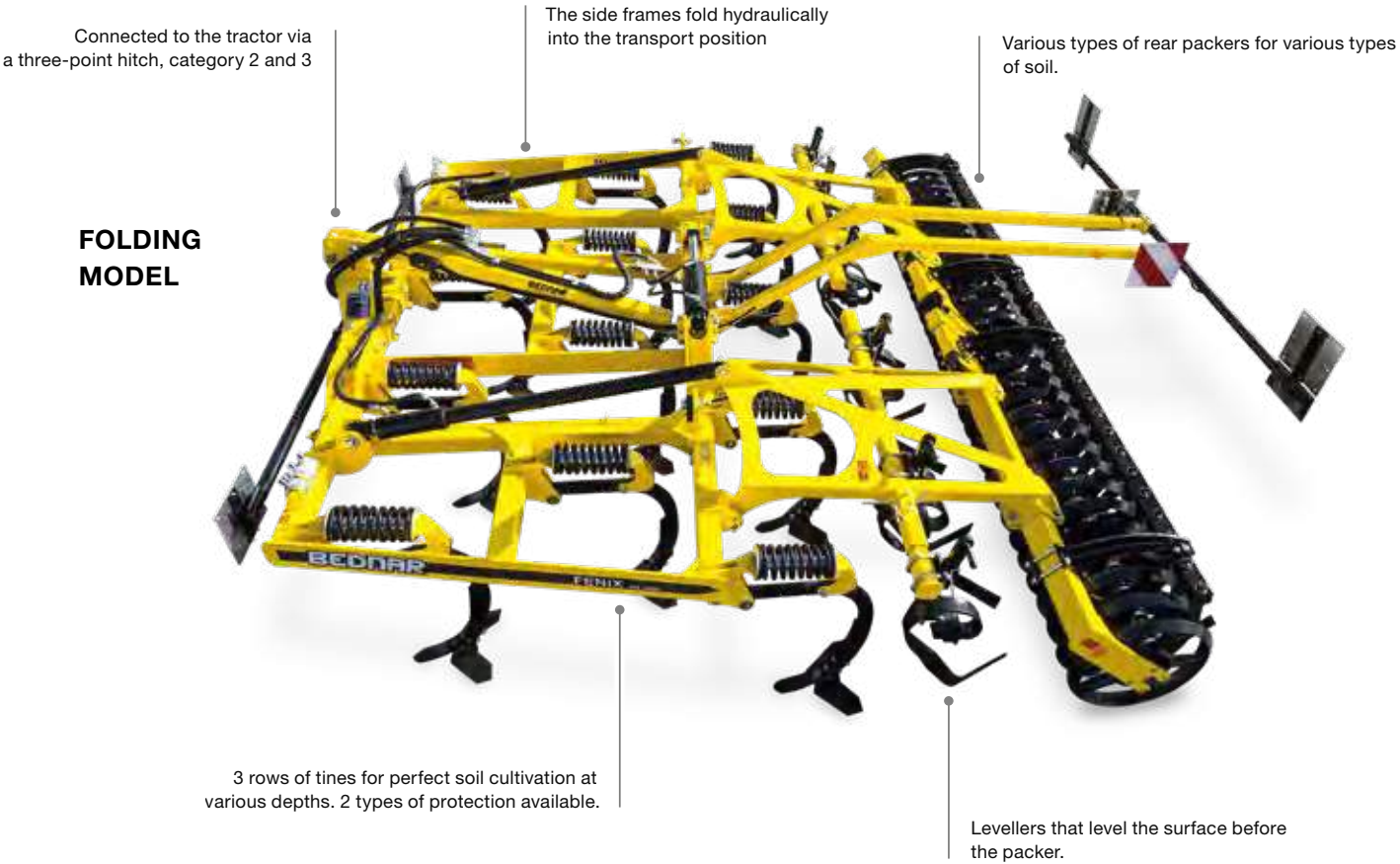
The tines are protected against overload with a shear pin, which breaks in case of overload. This method of protection is simple and cheap.

**Suitable for** light soils without rocks.

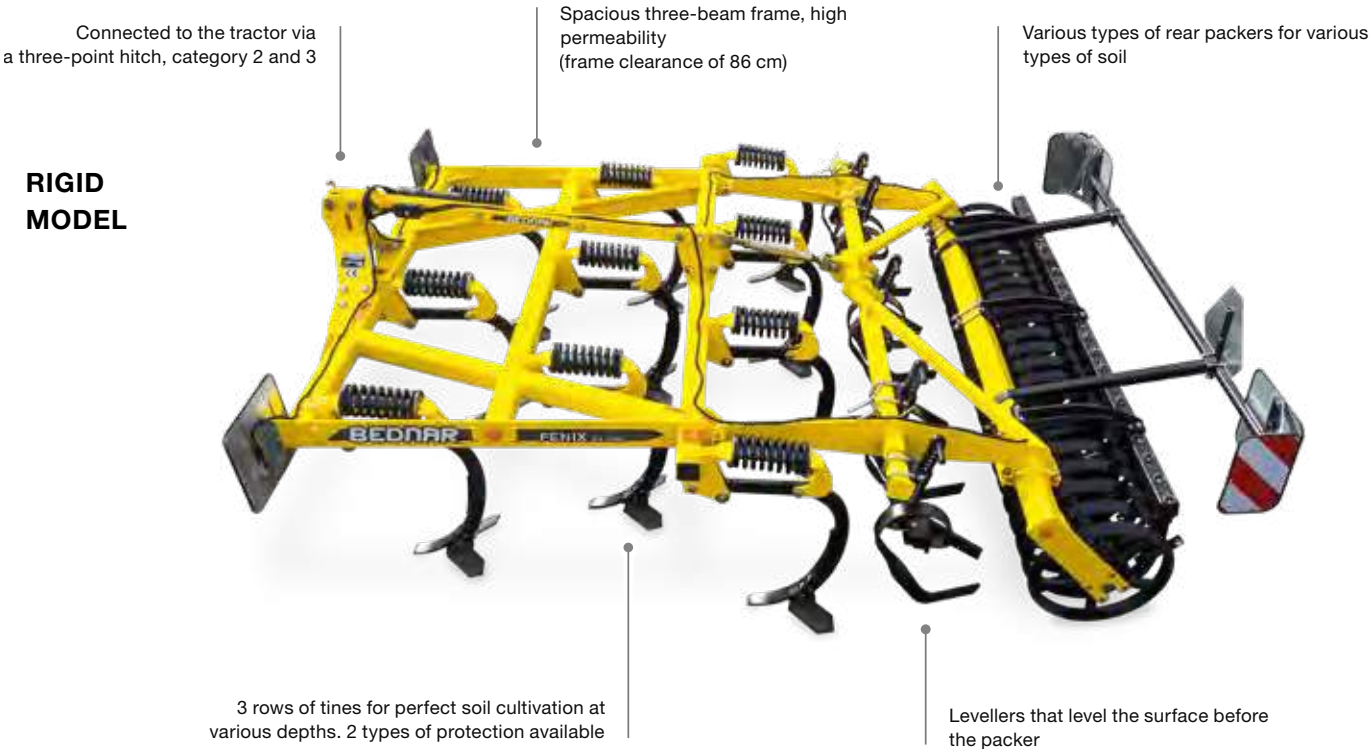




FENIX FN\_L



FOLDING  
MODEL



RIGID  
MODEL

| FENIX FN_L          |     | FN 3000 L / FN 3000 | FN 3500 L / FN 3500 | FN 4000 L / FN 4000 |
|---------------------|-----|---------------------|---------------------|---------------------|
| Working width       | m   | 3                   | 3.5                 | 4                   |
| Transport width     | m   | 3                   | 3                   | 3                   |
| Transport length    | m   | 3.58/3.88*** / 3.88 | 3.58/3.88*** / 3.88 | 3.92                |
| Working depth*      | cm  | 5–35                | 5–35                | 5–35                |
| Number of tines     | pcs | 10                  | 12                  | 13                  |
| Spacing of tines    | cm  | 30                  | 30                  | 30                  |
| Total weight**      | kg  | 1,350–2,700         | 1,550–3,050         | 2,300–3,800         |
| Recommended output* | HP  | 150–225             | 160–240             | 170–255             |

\* depends on soil conditions    \*\* acc. to the equipment    \*\*\* (protection – shear pin) / FN 3000 L (protection – horizontal)

The offer of rear packers and rollers can be found on page 170.





FENIX FN\_L



Long Life Chisel 40 mm

Long Life Chisel 80 mm

Long Life Wings 185 mm



“I chose a FENIX FN 4000 L by BEDNAR because we have clay soils in our region. We use the cultivator in the stubble fields with wings and a working depth of 8 cm. Without the wings, we can go down to 25 cm. The mixing effect is very good in all working depth levels. In addition, the cultivator is frequently used for contractual work. Considering that the soil conditions are also quite dry, it is important to use the V-ring to compact the soil well.”

Jürgen Bundschuh

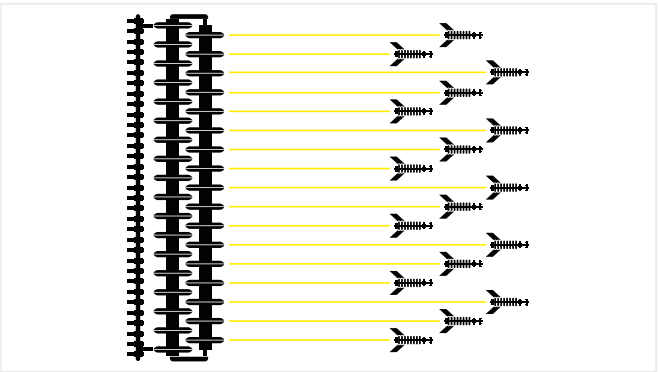
Jürgen Bundschuh  
Welgersdorf (Austria)  
57 ha  
FENIX FN 4000 L





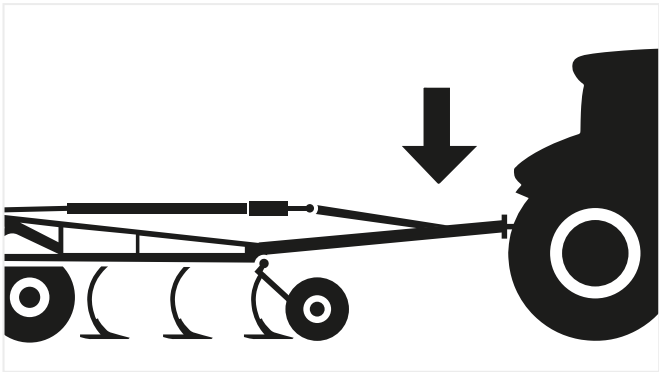
CONSTANT WORKING DEPTH AND COMFORTABLE MANOEUVRABILITY OF THE MACHINE

The convenient placement of the transport axle provides excellent machine stability. The cultivation depth is thus always constant. The operator of the machine will definitely appreciate the comfortable manoeuvrability of the machine. Everyone will be pleased in the end - the agronomist, the operator and the owner.



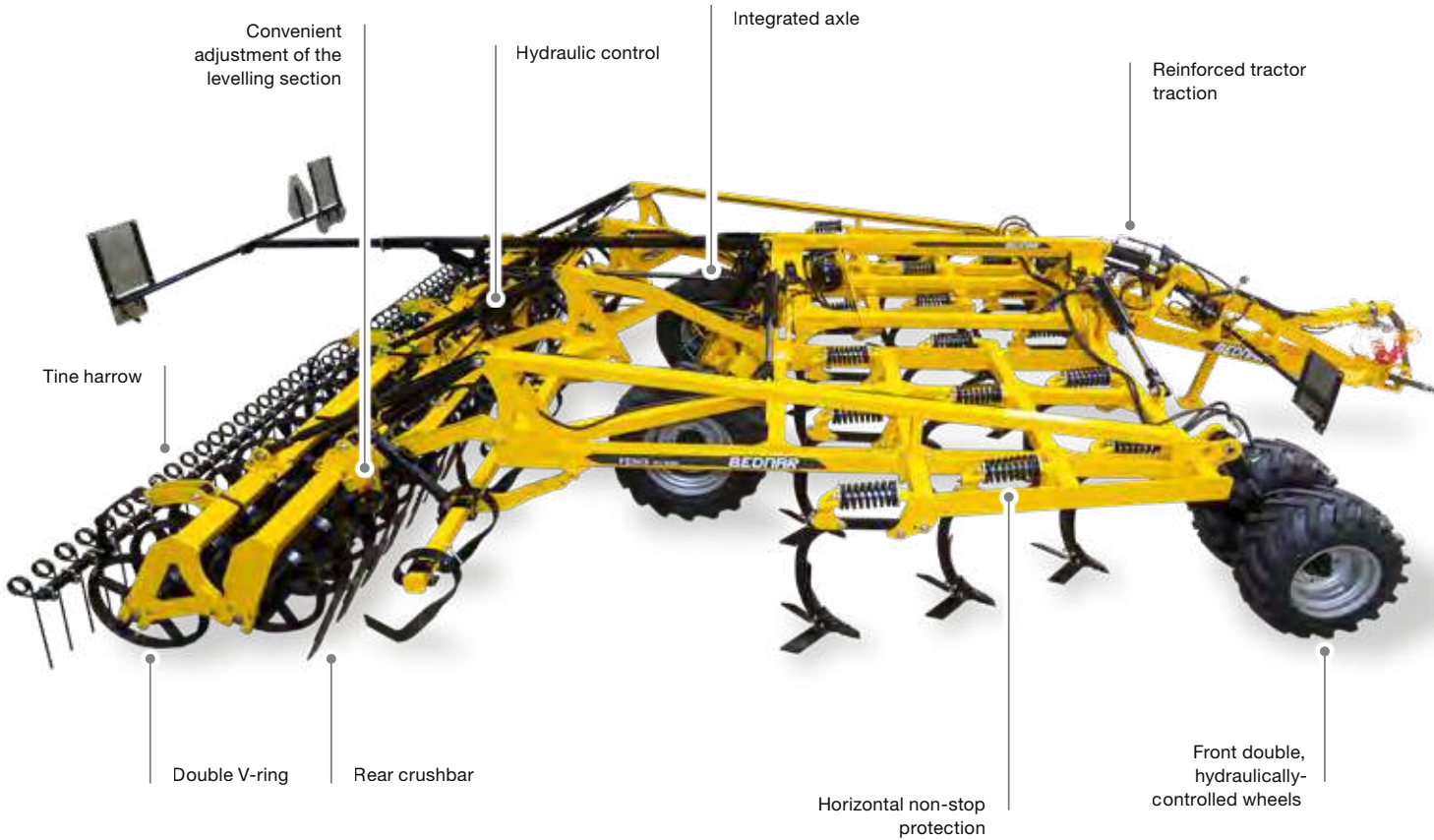
HIGH QUALITY OF WORK

The tines work in the same line as the rear packer rings, which increases the quality of work of the FENIX machine by multiple times.



REINFORCED TRACTOR TRACTION

The machine is equipped with reinforced tractor traction thanks to the hydraulic cylinder with an accumulator on the tow bar of the machine. The FENIX can also be connected to tractors in a lower output class, while still achieving excellent work and mixing quality.



FENIX FO

|                     |     | FO 5003 | FO 6003 |
|---------------------|-----|---------|---------|
| Working width       | m   | 5.270   | 5.890   |
| Transport width     | m   | 3       | 3       |
| Transport length    | m   | 9.03    | 9.03    |
| Working depth*      | cm  | 5–35    | 5–35    |
| Number of tines     | pcs | 17      | 19      |
| Spacing of tines    | cm  | 31      | 31      |
| Total weight**      | kg  | 5,900   | 6,300   |
| Recommended output* | HP  | 230–290 | 290–360 |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.





TERRALAND is a chisel plough designed for deep aeration with a demand on the lower pulling force. The aim of deep soil cultivation is to securely disrupt the compacted soil layers and revive the soil profile.



**STRUCTURAL MATERIAL:  
ALFORM STEEL**

Parts of the frame are made of high-strength steel called Alform.

TERRALAND TN\_PROFI

Tillage

Crumbling

Final crumbling and levelling of the surface





TERRALAND TN



TERRALAND TN\_PROFI



**DISRUPTION OF COMPACTED SOIL LAYERS**

Deep aeration solves compaction problems related to the heavy machinery and shallow soil cultivation at a constant depth. It is a revitalisation process that restores soil structure. However, complete restoration takes several years. Deep aeration as such disrupts the tillage basin and restores mineralisation processes in the soil. Crops have better access to oxygen, which improves the development of the root system, the prerequisite for the formation of phytomass in the vegetation stage. Thanks to deep cultivation, the soil is able to absorb rainstorm in the wet season, and in the dry season, on the other hand, the roots are able to find soil moisture, even in the lower horizons. The chisel plough is a suitable solution for incorporating barnyard manure and digestate in a single pass.



**PROFILE FERTILISATION**

It is hard to increase the potential of your crop without fertilisers. The TERRALAND chisel plough in combination with the FERTI-BOX hopper helps you easily apply fertiliser at deeper layers of the soil profile. The fertiliser is then used as nutrition at later stages of growth.



**A SOLUTION EVEN FOR SMALLER TRACTORS**

Our portfolio also includes a five-tine chisel plough for tractors at 180 HP and higher.



**A SUITABLE TILLAGE SUBSTITUTE**

High permeability through the working parts and their ability to mix material, working depth, lower demand on the pulling force and ability to work in moist conditions. Simply said: advantages that are hard to find in the conventional farming system.





TERRALAND TN\_PROFI



**TERRALAND TN WITH  
FERTI-BOX FB 1500 TN**

The mounted TERRALAND TN chisel ploughs can be equipped with a hopper (FERTI-BOX FB 1500 TN), installed directly on the TERRALAND machine.



**WHY TN\_PROFI?**

The mounted TN\_PROFI model has two rows of cutter discs for perfect completion of work. In some cases, it is possible to start seeding after a single pass.



**THREE-TIMES BENT CHISEL ANGLE**

The chisels have a three-times bent working angle. The bottom part of the compacted soil is disrupted. The soil at the top is mixed with crop residue.



**CHOOSE A MACHINE WITH A PROPER  
TYPE OF PROTECTION**

Models TN and TN\_PROFI are manufactured with mechanical or hydraulic protection. Mechanical protection with a draught screw is ideal for light to medium-heavy soils. Hydraulic protection with hydraulic cylinder is suitable for heavier and rocky soils.



**40 AND 70 mm LONG LIFE  
CARBIDE CHISELS**

The reinforced Long Life chisels with extended durability are equipped with carbide edges and increased protection in the bottom part. The chisels provide much longer durability, namely in abrasive soils, allowing you to use the time spent by replacing chisels more efficiently. Long Life for your comfort and lower overall costs.



“We tested a TERRALAND TN with five spikes in the spring of 2017. We noticed how good the machine was, but to replace plows we think the seven spike version would be better. Spring 2018 was very odd, because the soil was very wet while planting potatoes, but after that we didn’t get any rain. The TERRALAND opened water ways and the soil was dry enough for planting and the potato roots used the same channels. Thats why we didn’t need to use that much irrigation. The TERRALAND TN really saves work time and fuel.”

Jyrki Hasila, Owner

He\_vi Hasila Oy  
Hämeenlinna (Finland)  
70 ha  
TERRALAND TN 3000 HM7R





TERRALAND TO



TERRALAND TO + FERTI-BOX FB + PRESSPACK PT

THE WIDEST CHISEL PLOUGHS ON THE MARKET

The TO model comes in widths of 4, 5 and 6 metres. It is the largest chisel plough on the market. Its axle is mounted in front of the rear roller. This structural design allows for maintaining constant depth and it makes turning at headlands much easier. The machine can also be used without the rear packers, which farmers especially appreciate in wet autumn conditions.



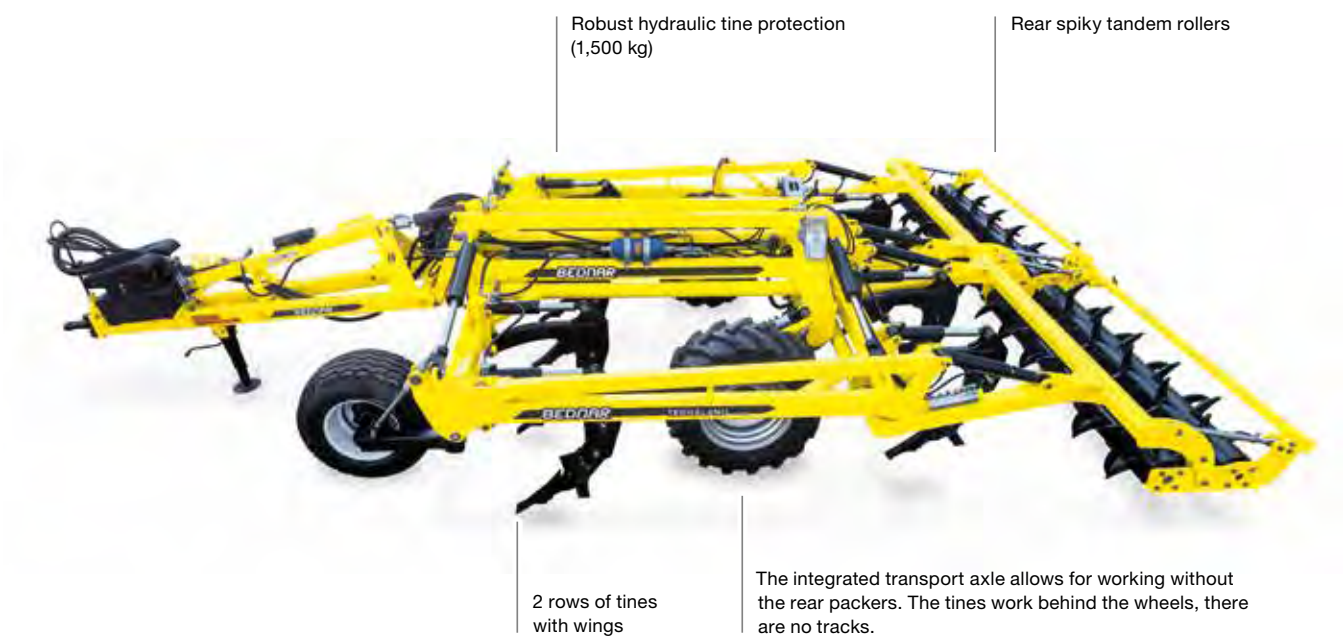
“Our fields are in the flood zone. There is a high content of clay in our soil structure. The soil is also quite compacted. We solve these issues with a chisel plough. When compared with standard soil cultivation, it allows us to drive at much higher speeds. The machine is fitted with LONG-LIFE chisels. They still look good after working 600 ha and we will use them for several hundred hectares more.”

Shannon McLellan, Farm Owner

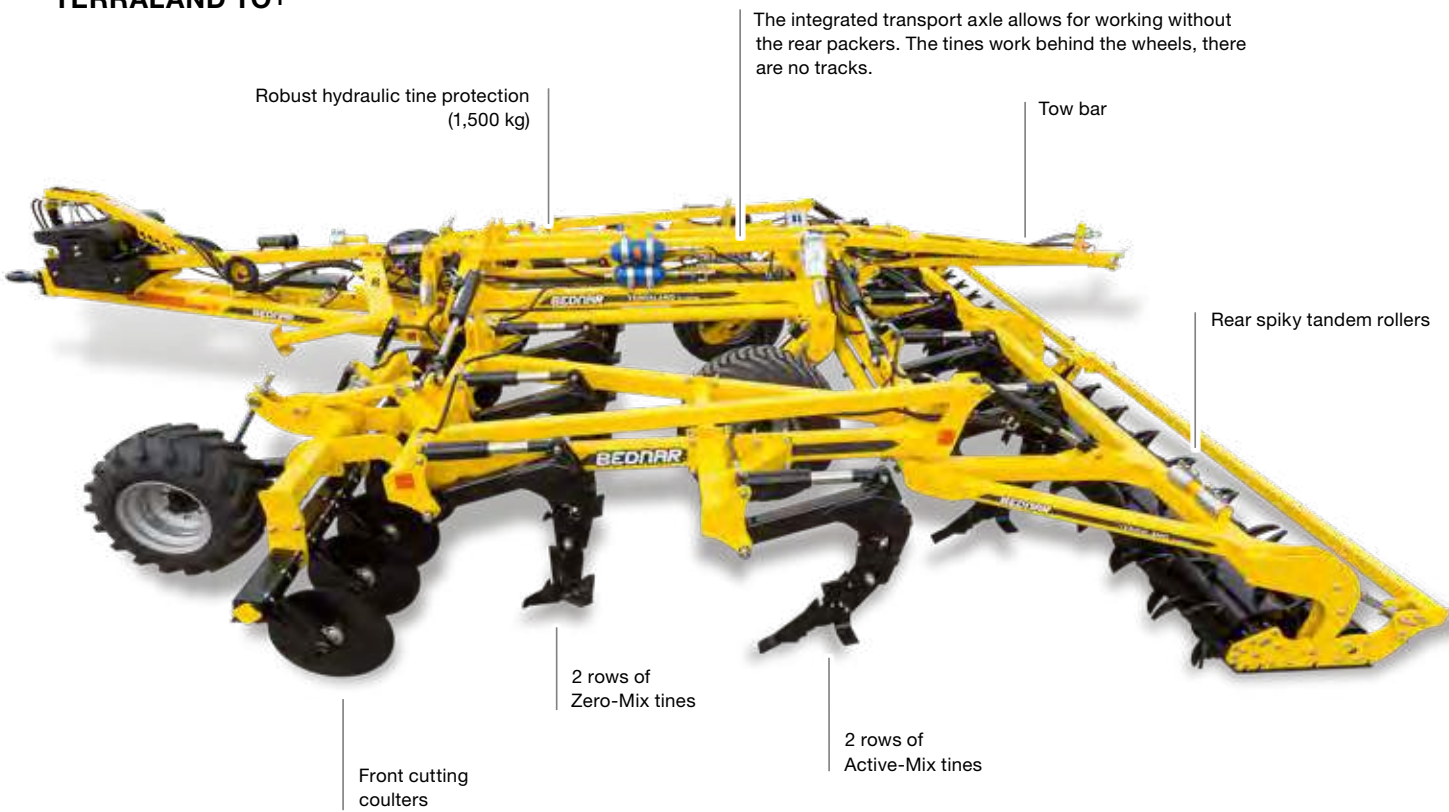
Horsham (Australia)  
3,000 ha  
TERRALAND TO 5000



TERRALAND TO



TERRALAND TO+

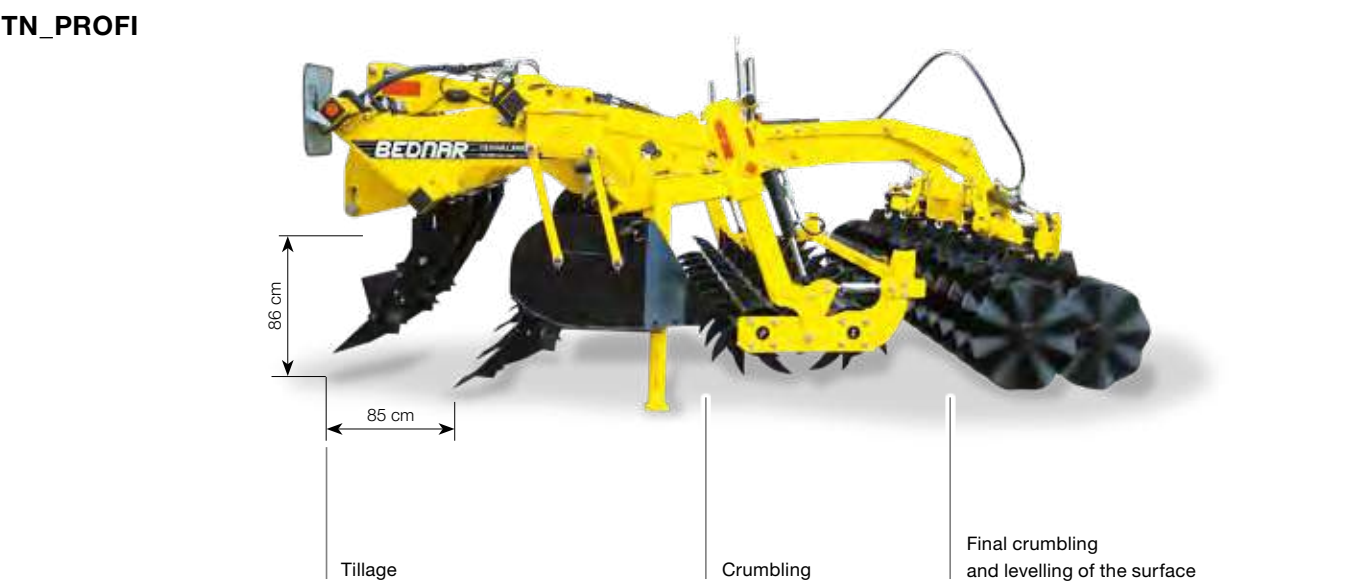
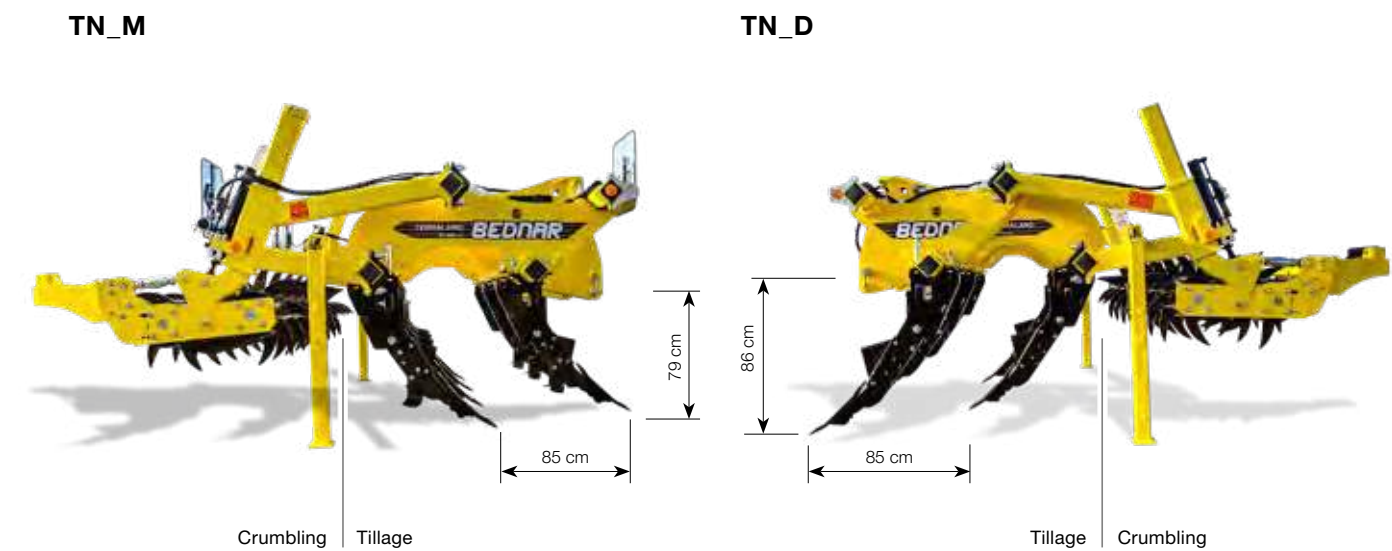




# TERRALAND

## Chisel Plough

soil cultivation



### TERRALAND TN

|                     |     | TN 3000<br>M5R / D5R         | TN 3000<br>M7R / D7R         | TN 4000<br>M7R / D7R         | TN 4000<br>M9R / D9R         |
|---------------------|-----|------------------------------|------------------------------|------------------------------|------------------------------|
| Working width       | m   | 3                            | 3                            | 4                            | 4                            |
| Transport width     | m   | 3                            | 3                            | 4                            | 4                            |
| Transport length    | m   | 2.9                          | 2.9                          | 2.9                          | 2.9                          |
| Working depth*      | cm  | 15–55 / 15–65                | 15–55 / 15–65                | 15–55 / 15–65                | 15–55 / 15–65                |
| Number of tines     | pcs | 5                            | 7                            | 7                            | 9                            |
| Spacing of tines    | cm  | 60                           | 40                           | 56.5                         | 42.5                         |
| Total weight**      | kg  | 1,850–2,200 /<br>1,950–2,350 | 1,950–2,350 /<br>2,250–2,620 | 2,220–2,600 /<br>2,520–2,890 | 2,480–2,860 /<br>2,800–3,180 |
| Recommended output* | HP  | 150–180 /<br>200–250         | 180–220 /<br>220–280         | 200–260 /<br>250–300         | 220–300 /<br>280–350         |

\* depends on soil conditions    \*\* acc. to the equipment

### TERRALAND TN PROFI

|                     |     | TN 3000<br>PROFI D7R | TN 3000 H<br>PROFI D7R | TN 4000 H<br>PROFI D7R | TN 4000<br>PROFI D9R | TN 4000 H<br>PROFI D9R |
|---------------------|-----|----------------------|------------------------|------------------------|----------------------|------------------------|
| Working width       | m   | 3                    | 3                      | 4                      | 4                    | 4                      |
| Transport width     | m   | 3                    | 3                      | 4                      | 4                    | 4                      |
| Transport length    | m   | 3                    | 3.1                    | 3.1                    | 3                    | 3.1                    |
| Working depth*      | cm  | 15–65                | 15–65                  | 15–65                  | 15–65                | 15–65                  |
| Number of tines     | pcs | 7                    | 7                      | 7                      | 9                    | 9                      |
| Spacing of tines    | cm  | 40                   | 40                     | 56.5                   | 42.5                 | 42.5                   |
| Total weight**      | kg  | 3,400–3,600          | 4,150–4,500            | 4,350–4,700            | 4,150–4,350          | 4,700–5,050            |
| Recommended output* | HP  | 230–290              | 230–290                | 230–290                | 290–360              | 290–360                |

\* depends on soil conditions    \*\* acc. to the equipment

### TERRALAND TN H

|                     |     | TN 3000 H<br>M5R | TN 3000 H<br>M7R | TN 3000 H<br>D7R | TN 4000 H<br>M9R | TN 4000 H<br>D9R |
|---------------------|-----|------------------|------------------|------------------|------------------|------------------|
| Working width       | m   | 3                | 3                | 3                | 4                | 4                |
| Transport width     | m   | 3                | 3                | 3                | 4                | 4                |
| Transport length    | m   | 3.1              | 3.1              | 3.1              | 3.1              | 3.1              |
| Working depth*      | cm  | 15–55            | 15–55            | 15–65            | 15–55            | 15–65            |
| Number of tines     | pcs | 5                | 7                | 7                | 9                | 9                |
| Spacing of tines    | cm  | 42.5             | 40               | 40               | 42.5             | 42.5             |
| Total weight**      | kg  | 1,800–2,150      | 2,625–2,980      | 2,700–3,080      | 3,360–3,760      | 3,470–3,850      |
| Recommended output* | HP  | 150–180          | 180–220          | 220–280          | 220–300          | 280–350          |

\* depends on soil conditions    \*\* acc. to the equipment

### TERRALAND TO

|                     |     | TO 4000     | TO 5000     | TO 6000     | TO 6000+    |
|---------------------|-----|-------------|-------------|-------------|-------------|
| Working width       | m   | 4           | 5           | 6           | 6.4         |
| Transport width     | m   | 3           | 3           | 3           | 3           |
| Transport length    | m   | 8.6         | 8.6         | 8.6         | 8.6         |
| Working depth*      | cm  | 15–55       | 15–55       | 15–55       | 15–55       |
| Number of tines     | pcs | 9           | 11          | 13          | 15          |
| Spacing of tines    | cm  | 43          | 43          | 43          | 43          |
| Total weight**      | kg  | 6,280–6,820 | 6,950–7,380 | 7,670–7,810 | 8,820–8,900 |
| Recommended output* | HP  | 320–380     | 400–500     | 500–600     | 500–600     |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.



TERRASTRIP is a chisel plough that processes soil in strips where wide-row crops such as corn, sunflower, sugar beet etc. are grown. The tine spacing corresponds with corn and sunflower: 70 cm and 75 cm, or 45 cm and 50 cm for sugar beet.

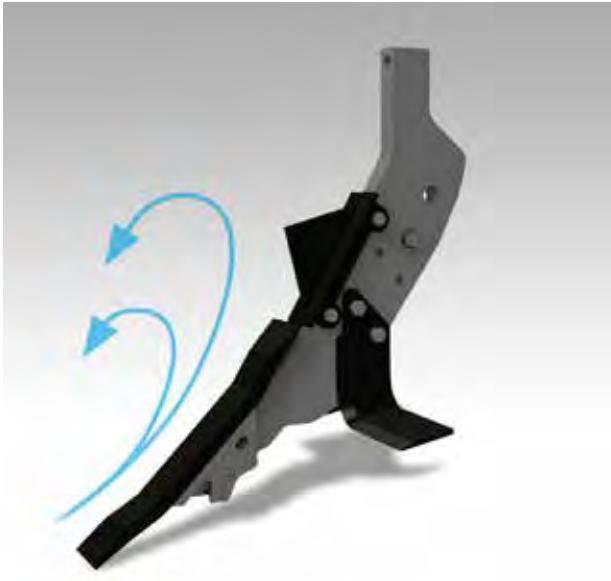


TERRASTRIP ZN + FERTI-CART FC





ACTIVE-MIX  
TINES



ZERO-MIX  
TINES



For more information on both types of tines, see page 97.

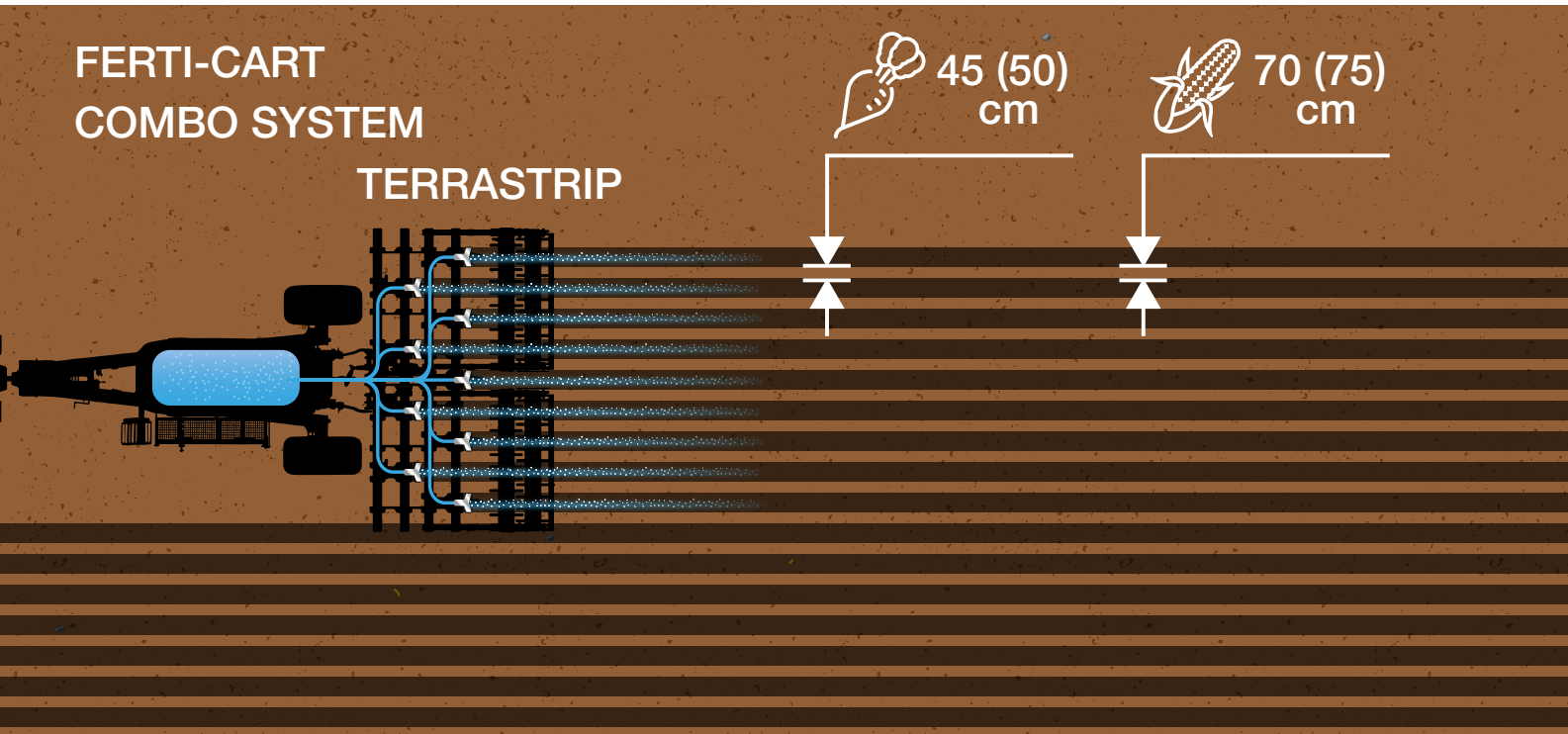
EFFECTIVE SOIL CULTIVATION THAT REDUCES COSTS

We recommend adding profile fertilisation directly into the root zone of the plants aerating. The aerated and fertilised strips create an ideal environment for a rich root system.

Effective and directed soil cultivation that reduces costs while increasing the yield of the individual wide-row crops.

FERTI-CART  
COMBO SYSTEM

TERRASTRIP



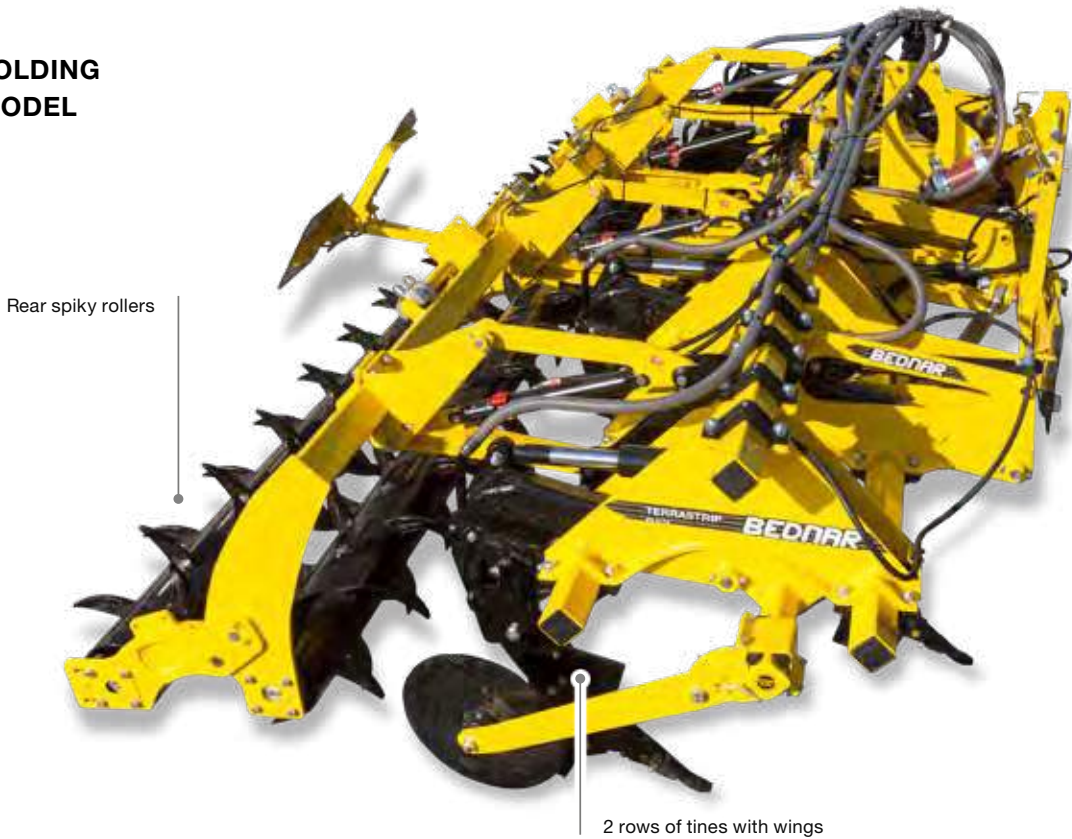
TERRASTRIP ZN 8R/75



# TERRASTRIP

Chisel Plough

FOLDING  
MODEL



RIGID MODEL



“The TERRASTRIP technology by BEDNAR gives us the opportunity to perform high-quality deep aeration with mixing crop residue, to disrupt compacted soil layers, and to maintain sufficient moisture for the initial development of the spring crops.”  
Stanislav Gerasimčuk, Technologist

Agrarian System Technologies  
Zhytomyr, Rivne region (Ukraine)  
50,000 ha  
TERRASTRIP ZN 8R5, FERTI-CART FC 3500

TERRASTRIP ZN

|                    |     | ZN 8R/45    | ZN 8R/50    | ZN 9R/51    | ZN 8/75     |
|--------------------|-----|-------------|-------------|-------------|-------------|
| Working width      | m   | 3.6         | 4.0         | 4.6         | 6.0         |
| Transport width    | m   | 4.15        | 4.15        | 4.7         | 3.0         |
| Transport length   | m   | 3.5         | 3.5         | 3.5         | 3.4         |
| Working depth      | cm  | 20–55       | 20–55       | 20–55       | 20–55       |
| Number of tines    | pcs | 8           | 8           | 9           | 8           |
| Spacing of tines   | cm  | 45          | 50          | 51          | 75 (70/80)  |
| Total weight       | kg  | 3,520–3,720 | 3,650–3,690 | 3,800–4,200 | 4,720–4,950 |
| Recommended output | HP  | 300–400     | 300–400     | 300–400     | 300–400     |

The offer of rear packers and rollers can be found on page 170.



ACTROS RO is a robust combined (disc-share) machine that is capable of cutting and processing a large quantity of crop residue in a single pass and mix the crop residue effectively with loosened soil, up to a depth of 35 cm.



ACTROS RO





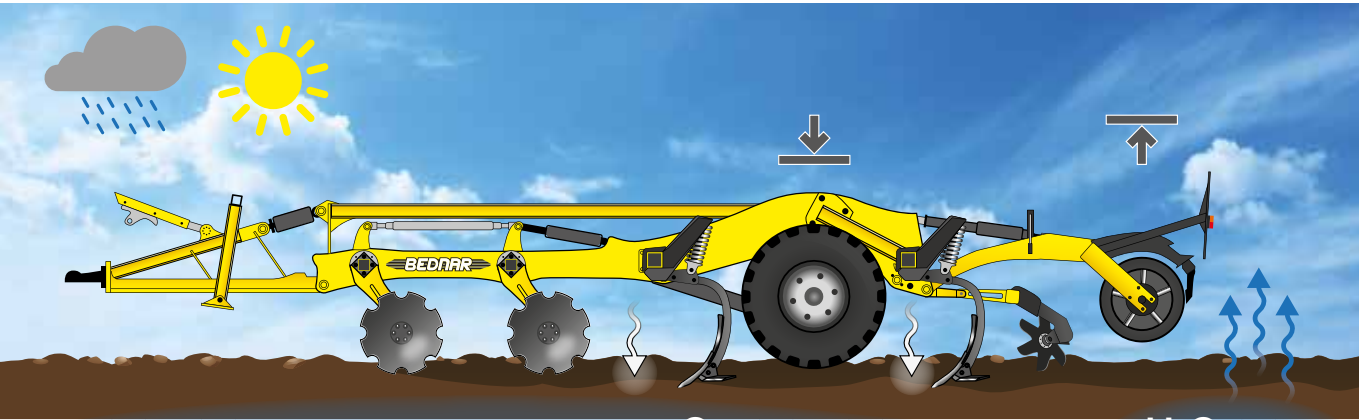
DISC SECTION

Excellent cutting and incorporation of crop residue using two rows of discs, 690 × 6 mm.



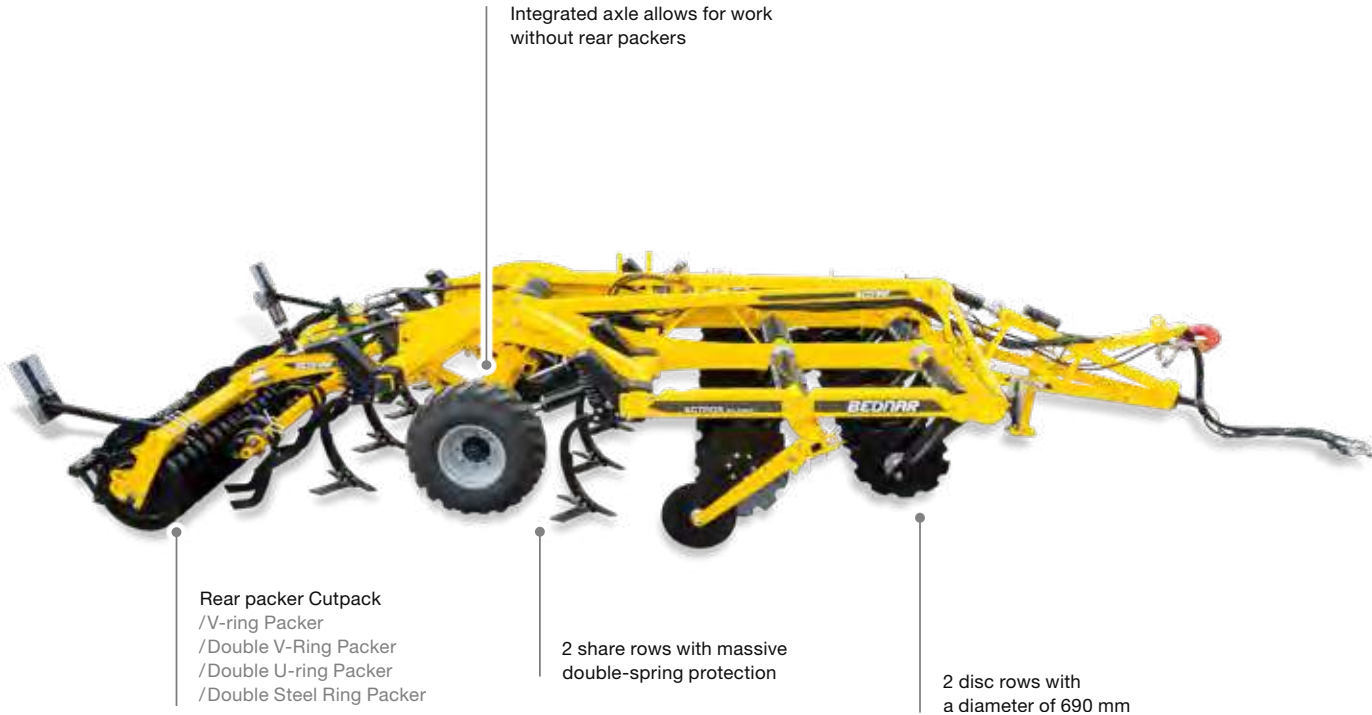
SHARE SECTION

Two options for exchangeable tines. Active-Mix for intense aeration. Zero-Mix for disrupting soil layers without mixing. For more information on both types of tines, see page 97.



INTEGRATED AXLE

The integrated axle between shares provides the opportunity to work without rear packers and reduces the turning radius at headland.



ACTROS RO

|                                      |     | RO 3000 | RO 4000 | RO 4000 R |
|--------------------------------------|-----|---------|---------|-----------|
| Working width                        | m   | 3.0     | 3.8     | 6.4       |
| Transport width                      | m   | 3       | 3       | 4         |
| Transport length                     | m   | 8.5     | 9.7     | 9.2       |
| Working depth of the chisel section* | cm  | 10–35   | 10–35   | 10–35     |
| Working depth of disc section*       | cm  | 6–15    | 6–15    | 6–15      |
| Number of discs                      | pcs | 14      | 18      | 18        |
| Number of tines                      | pcs | 7       | 9       | 9         |
| Spacing of tines                     | cm  | 42.5    | 42.5    | 42.5      |
| Total weight**                       | kg  | 4,350   | 8,200   | 5,990     |
| Recommended output*                  | HP  | 300     | 400     | 400       |

\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170





TERRALAND DO

TERRALAND DO is a disc-chisel plough with an integrated axle in front of the rear packers that combines stubble cultivation operations at a depth of up to 18 cm and deep aeration at a depth of up to 45 cm. If needed, it is possible to put the front part of the discs out of operation and only use deep aeration.





**WORKING AFTER WHEAT**

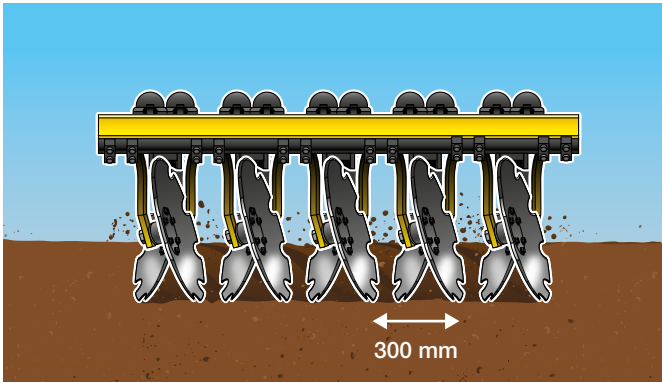
- TERRALAND DO 6500
- Yield: 10.2 t/ha
- Number of passes: 1
- Working speed: 10 km/h
- Fuel consumption: 12 L/ha



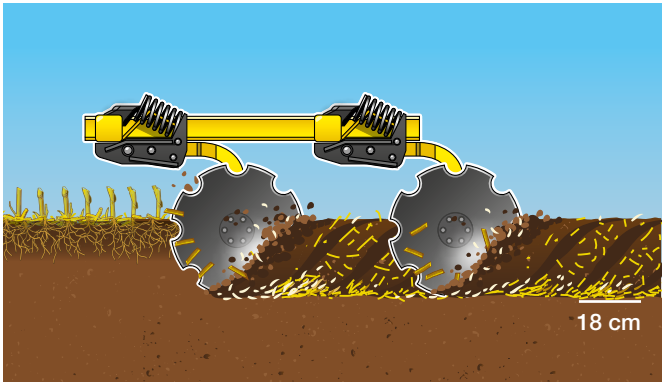
**DEMONSTRATION OF WORK  
AFTER CORN**

- TERRALAND DO 4000
- Yield: 16 t/ha
- Number of passes: 1
- Working speed: 8 km/h
- Fuel consumption: 15 L/ha

**DISC SECTION**



The discs with a diameter of 690 mm work aggressively and at the same time, the disc section is also very well passable. The distance between the discs is 375 mm.



The discs cut and mix crop residue with the topsoil. The discs disrupt the root banks.

**SHARE SECTION**



**ACTIVE-MIX  
TINES**



**ZERO-MIX  
TINES**

**DEEP AERATION**

- Using the Active-Mix tines:**
- Deep aeration with active mixing of soil with crop residue up to 45 cm.
  - Undercutting the soil profile thanks to the side wings of the tines.
  - 100-% share overlapping.
  - Mounting 80-mm or 40-mm chisels to the Active-Mix tines for deep work.
  - The Active-Mix tines can be replaced with the Zero-Mix tines.

**UNDERCUTTING**

- Using the Zero-Mix tines:**
- Undercutting the soil profile without mixing. The tines have a negative angle.
  - Disrupting compacted layers.
  - Mounting flat wings and tips onto the Zero-Mix tines.
  - The Zero-Mix tines can be replaced with the Active-Mix tines.



# TERRALAND DO

Combined Chisel Plough

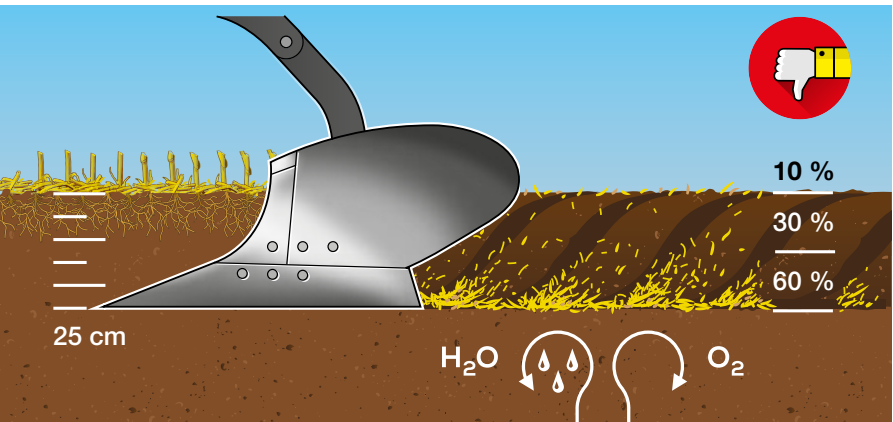


TERRALAND DO



„We have been using a TERRALAND DO 6500 since September 2017. In 2017, we used it to process all our fields to a depth of 32–35 cm; we tested a depth of 40 cm for potatoes. The potato harvest showed good long-term water management in the cultivated areas, therefore, in 2018 we used the TERRALAND to prepare the fields for potatoes in two stages (first to a depth of 30 cm, second to a depth of 40 cm). The TERRALAND is very quiet when working up to a depth of 30 cm and it mixes crop residue well. The structure of the frame and the workmanship of the welded parts are naturally very good. Our TERRALAND DO 6500 is fitted with 700-mm discs and chisels with a width of 40 mm, as we do not grow wheat or barley that produce a lot of crop residue. By using the TERRALAND DO 6500, we combined two stages of in-depth soil cultivation into a single one without compromise.“

Landservice Westeregeln  
Börde-Hakel (Germany)  
1,700 ha  
TERRALAND DO 6500

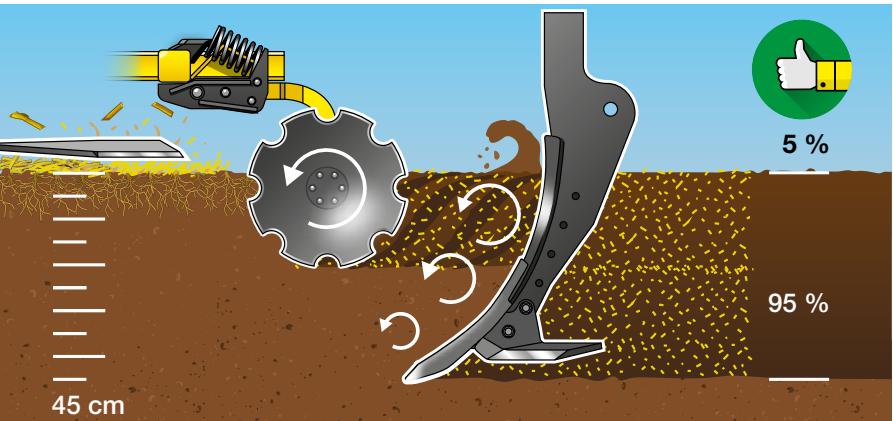


## SPREADING CROP RESIDUE IN THE SOIL HORIZON

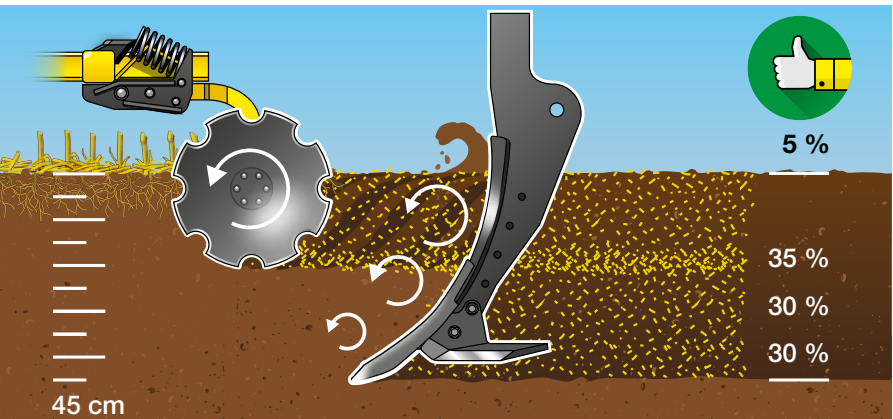
Size and spreading of crop residue after a traditional plough in the soil horizon. Formation of a crop residue cushion. Blocking water regime, air in the soil.



Size and spreading of crop residue after tine cultivator with active mixing. Large parts of crop residue – large risk of European corn borer hibernation, extended period of decomposition.



Size and spreading of crop residue after MULCHER and TERRALAND DO. Very small parts of crop residue perfectly mixed in the soil horizon. Low risk of corn borer spreading.

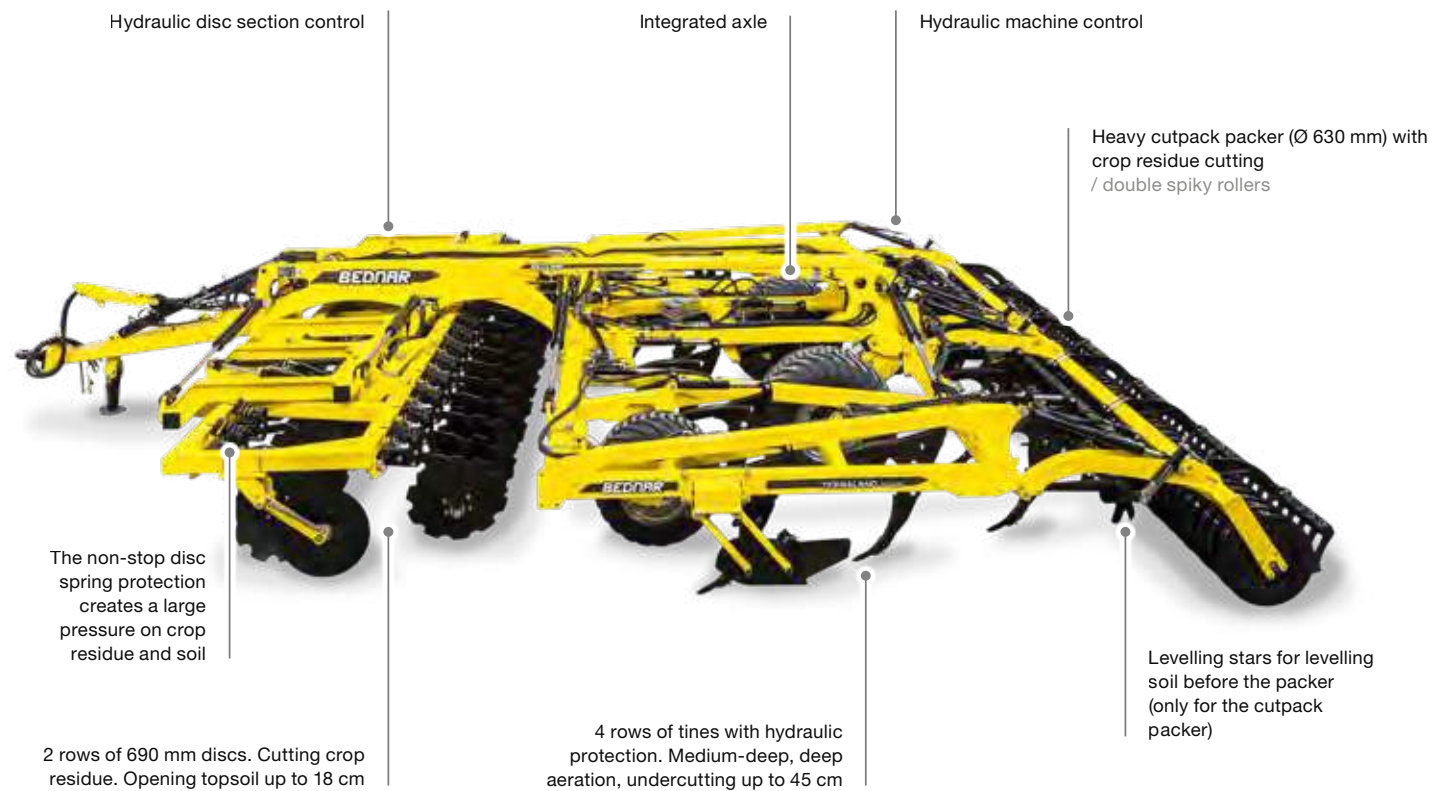


Size and spreading of crop residue after TERRALAND DO. Smaller parts of crop residue, residue mixed in the soil horizon very well and evenly.





TERRALAND DO



TERRALAND DO

|                                      |     | DO 4000     | DO 5000     | DO 6500      |
|--------------------------------------|-----|-------------|-------------|--------------|
| Working width                        | m   | 4.1         | 4.9         | 6.4          |
| Transport width                      | m   | 3           | 3           | 3            |
| Transport length                     | m   | 10.2        | 10.2        | 10.2         |
| Working depth of the chisel section* | cm  | 10–45       | 10–45       | 10–45        |
| Working depth of disc section*       | cm  | 6–18        | 6–18        | 6–18         |
| Number of discs                      | pcs | 22          | 26          | 34           |
| Number of tines                      | pcs | 11          | 13          | 17           |
| Spacing of tines                     | cm  | 37.5        | 37.5        | 37.5         |
| Total weight**                       | kg  | 7,500–8,500 | 8,400–9,600 | 9,700–11,100 |
| Recommended output*                  | HP  | 380–430     | 480–530     | 570–620      |

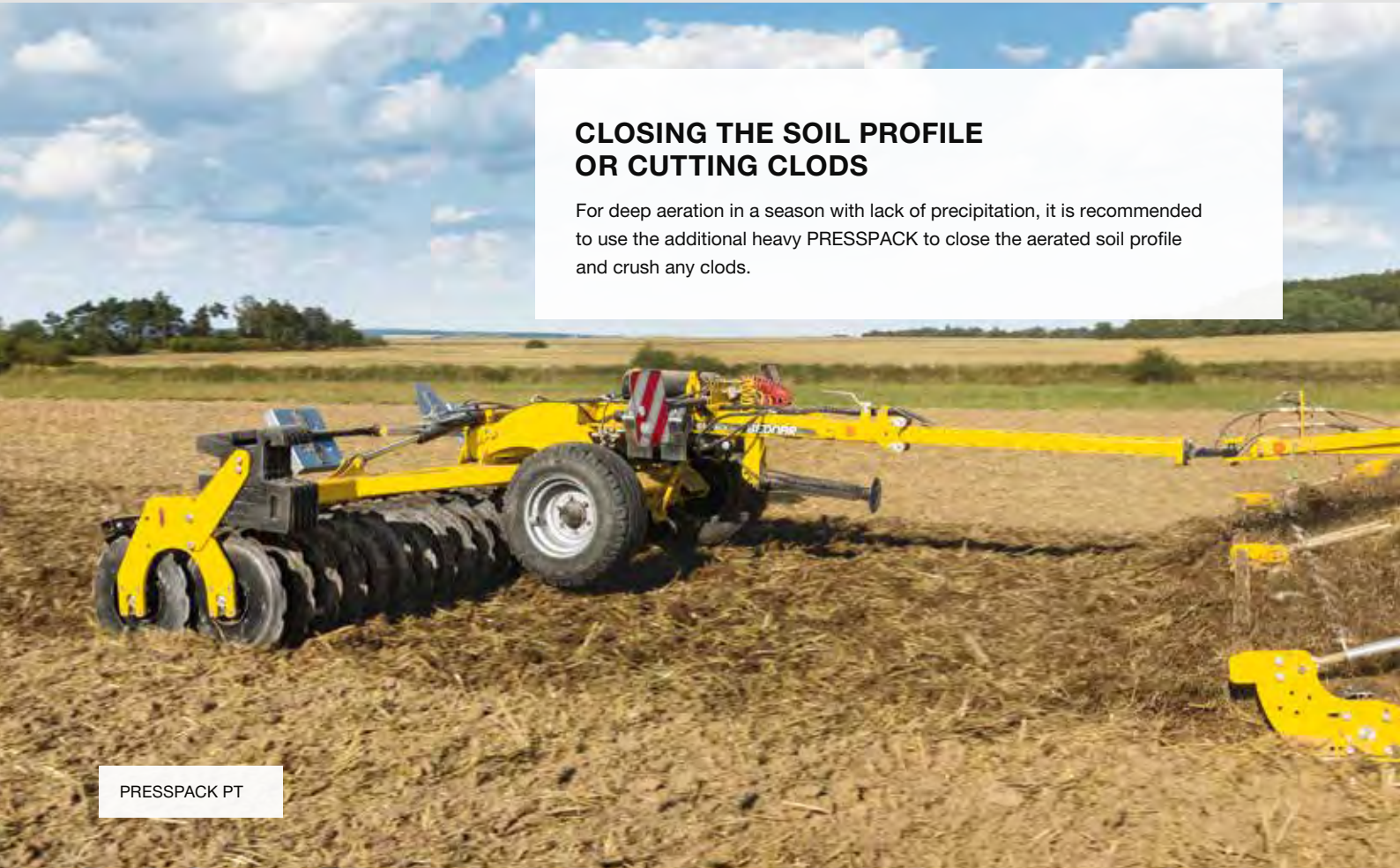
\* depends on soil conditions    \*\* acc. to the equipment

The offer of rear packers and rollers can be found on page 170.



# PRESSPACK

Trailed Packer



## EASY CONNECTION TO OTHER MACHINES

Use the packer separately, or in combination with other machines.



## PERFECT SOIL CULTIVATION

The presspack is formed by steel rings with a self-cleaning function that crumble and compact even heavy soils.

### PRESSPACK PT

|                         |     | PT 4000     | PT 5000     | PT 6000     |
|-------------------------|-----|-------------|-------------|-------------|
| Working width           | m   | 4.6         | 5.3         | 6.3         |
| Transport width         | m   | 2.5         | 2.5         | 2.5         |
| Transport length        | m   | 4           | 4           | 4           |
| Number of discs / rings | pcs | 46          | 54          | 64          |
| Total weight*           | kg  | 2,800–3,300 | 3,300–3,900 | 3,600–4,500 |
| Recommended output**    | HP  | 40          | 50          | 60          |

\* acc. to the equipment \*\* depends on soil conditions



# CUTTERPACK

Trailed Packer



## PERFECT SOIL CULTIVATION

Use the trailed packer for processing surface after previous operations. Prepare the seedbed in a single pass.



## EASY CONNECTION TO OTHER MACHINES

Use the packer separately, or in combination with other machines in our portfolio.

### CUTTERPACK CT

|                         |     | CT 4000     | CT 5000     | CT 6000     |
|-------------------------|-----|-------------|-------------|-------------|
| Working width           | m   | 4.6         | 5.3         | 6.3         |
| Transport width         | m   | 2.5         | 2.5         | 2.5         |
| Transport length        | m   | 3.8         | 3.8         | 3.8         |
| Number of discs / rings | pcs | 40          | 46          | 54          |
| Total weight*           | kg  | 1,770–1,970 | 1,870–2,070 | 1,950–2,150 |
| Recommended output**    | HP  | 35          | 45          | 55          |

\* acc. to the equipment \*\* depends on soil conditions



# ROW-MASTER

Inter-row Cultivator

inter-row cultivation

ROW-MASTER is an inter-row cultivator designed for disrupting the soil crust in the growth of corn, sunflower, sugar beet and other row crops.



ROW-MASTER RN





**SUGAR BEET SPECIALIST**

The RN\_S model represents a solution for companies specialising in growing sugar beet with row spacing of 45 and 50 cm.



**WEEDING UP TO 80 cm**

The massive frame with a high clearance of the RN machine allows inter-row cultivation of crop that is up to 80 cm high.



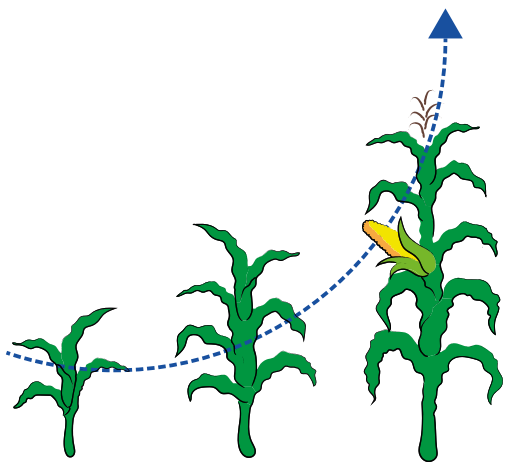
**WARMTH, WATER AND AIR**

Historically, weeding is an important field operation that used to be done to cultivate inter-row crops, disrupt the soil crust and eliminate the growth of weeds. It is only possible to utilise the potential of plants at one hundred percent when they have access to air and a good ability of soil to absorb rainfall. Inter-row cultivation is an addition to chemical protection, namely in cases of draught when the effectiveness of pre-emergent herbicides is limited, and in case of occurrence of annual dicotyledonous weeds that are resistant to herbicides, or when using herbicides with a limited spectrum of effect or a shorter effective period. Inter-row cultivation and additional fertilisation into inter-rows with liquid fertilisers is even more beneficial.



**INTER-ROW SPACING AS NEEDED**

The large variability of the inter-row spacing of the RN machine allows cultivation of crops with the distance of 45, 50, 70, 75 and 80 cm.



**GLYPHOSATE-FREE FARMING**



**HIGHER DOWN PRESSURE OF WORKING UNITS**

The unique silent block mounting of the units makes it easier for the cultivator to penetrate the soil crust and to maintain the set working depth more precisely.





ROW-MASTER RN + FRONT-TANK

ADDITIONAL LIQUID FERTILISATION WITH 1,200 L FRONT-TANK

The inter-row cultivators may be equipped with the FRONT-TANK with a capacity of 1,200 L for additional liquid fertilisation. The FRONT-TANK is mounted in the front part of the tractor.



ROW-MASTER RN + ALFA-DRILL

ADDITIONAL MINERAL FERTILISATION ALFA-DRILL 800  
ESTABLISHMENT OF COVER CROP AND GRASS

The ROW-MASTER cultivators can be equipped with the ALFA-DRILL 800 hopper. This hopper can be used for dispensing mineral fertilisers during inter-row aeration. The ALFA-DRILL hopper can be also be used for establishing cover crops and grasses in the inter-rows together with the main crop. Used as an anti-erosion measure, or for better yield of the field during harvest.



“We chose the ROW-MASTER RN 6400 cultivator for its robustness, as well as quality and precision of work. The components mounted on silent blocks maintain a consistent working depth and the automatic camera guidance provides for uninterrupted work, which we had not experienced for two generations. This machine is easy to use and we can set it without the need for tools under any conditions, which saves us time and reduces, or completely eliminates the need for any further weeding.”

Bruno Dumont

Bruno Dumont  
Loos-en-Gohelle (France)  
160 ha  
ROW-MASTER RN 6400



FERTI-BOX FB 2000F  
/ FERTI-BOX FB 2000F  
DUAL

The ROW-MASTER cultivators can be connected with front seed or fertiliser hoppers. The FERTI-BOX FB 2000 DUAL hopper has two chambers, allowing for dispensing two types of fertilisers (seeds).





ROW-MASTER RN \_S



## CULTI CAM SELF-GUIDING

The machine can be equipped with the Culti Cam optics that can guide the machine from early crop emergence.



“We grow sugar beet on an area of 300 to 330 ha. The sugar beet vegetation is weeded to limit the occurrence of weed beet and also for aeration. Our previous weeder did not provide optimal performance and quality and so we decided to replace it. The BEDNAR weeder with a camera system saved us the cost of one operator and it is able to work all day with the same performance and precision.”  
Ing. Petr Kršek, Agronomist

Palomo, a. s.  
Loštice (Czech Republic)  
2200 ha  
ROW-MASTER RN 6000 S

Model  
RN \_S



Model  
RN



## CHOOSE THE RIGHT TYPE OF TINES

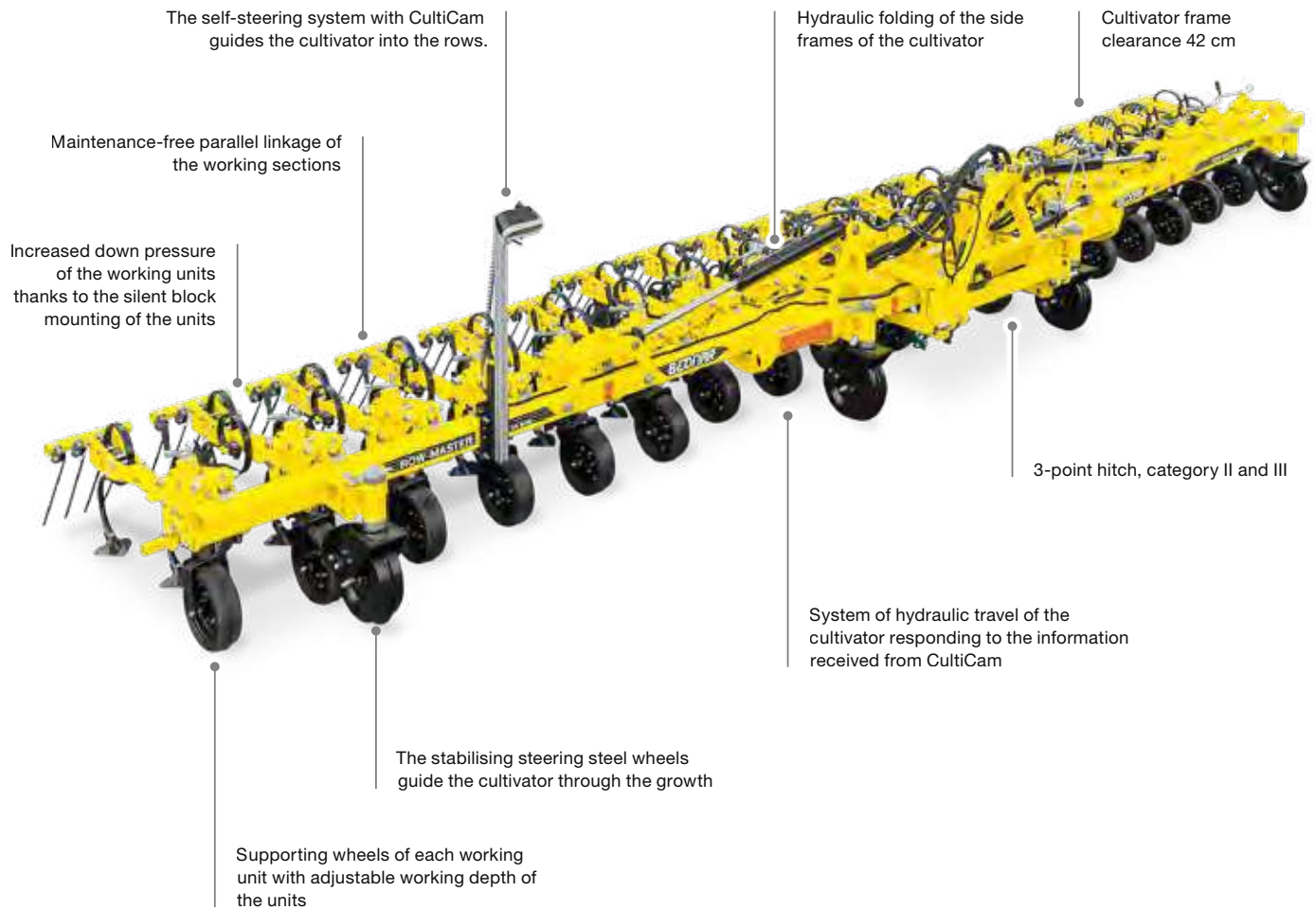
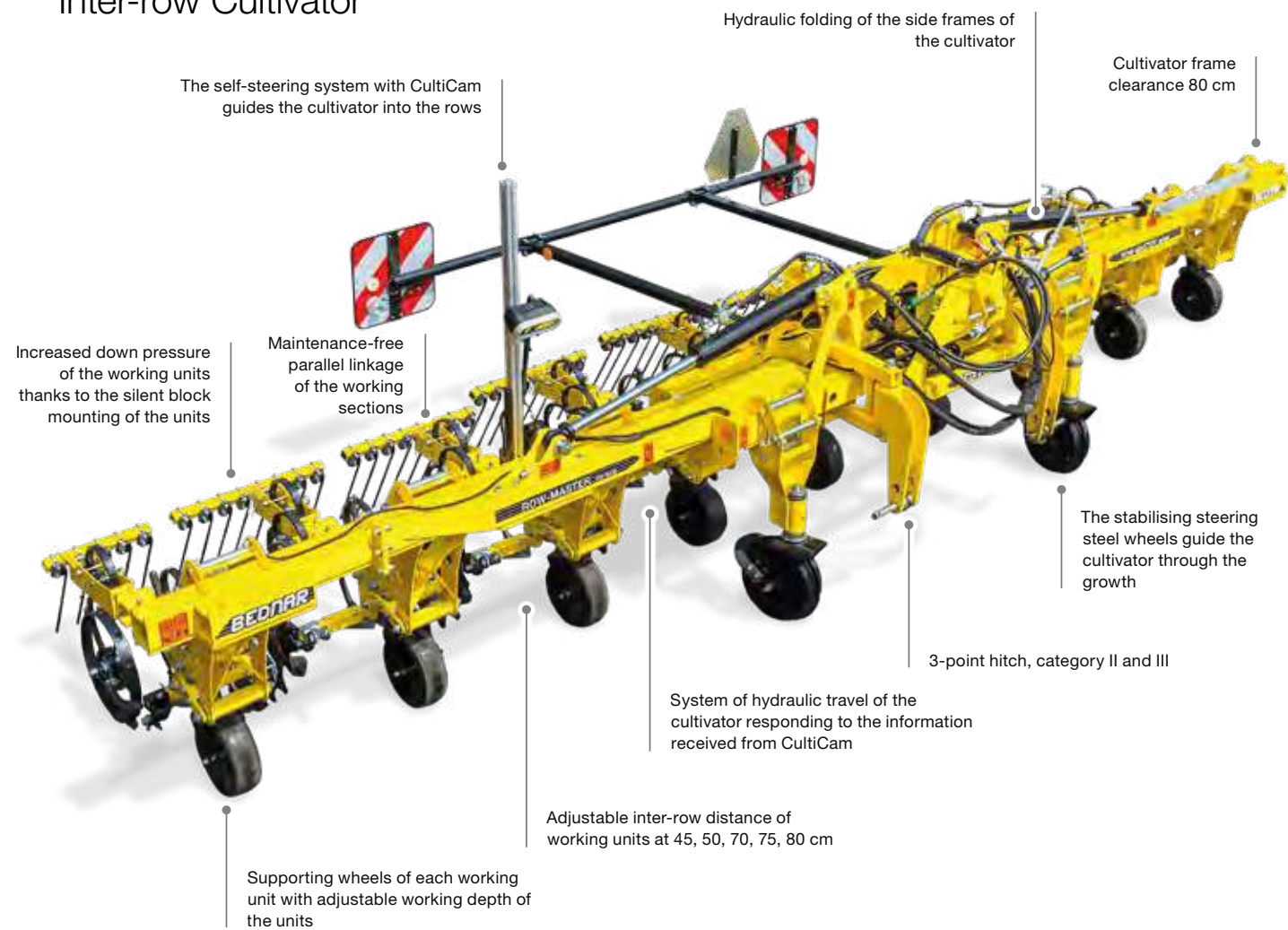
Our offer includes tines for early crop cultivation, tines with chisels for later cultivation and chisels with a mould board for packing, e.g. in the sugar beet crop.



# ROW-MASTER

## Inter-row Cultivator

inter-row cultivation



### ROW-MASTER RN

|                                                  |     | RN 4800           |       |      | RN 6400           |       |       | RN 9600        |       |       |
|--------------------------------------------------|-----|-------------------|-------|------|-------------------|-------|-------|----------------|-------|-------|
| Inter-row distance                               | cm  | 45/50/60/70/75/80 |       |      | 45/50/60/70/75/80 |       |       | 45/50/70/75/80 |       |       |
| Working width                                    | m   | 4.8               |       |      | 6.4               |       |       | 9.6            |       |       |
| Working depth*                                   | cm  | 2–12              |       |      | 2–12              |       |       | 2–12           |       |       |
| Number of rows                                   | pcs | 7                 | 6     | 8    | 9                 | 8     | 12    | 11             | 12    | 18    |
| Number of tines – early cultivation (5 pcs/unit) | pcs | 36                | 31    | 25   | 46                | 41    | 37    | 56             | 61    | 55    |
| Number of tines and chisels                      | pcs | 22/14             | 19/12 | 9/16 | 28/18             | 25/16 | 13/24 | 32/22          | 37/24 | 19/36 |
| Number of chisels for heavier conditions         | pcs | 8                 | 7     | 9    | 10                | 9     | 13    | 12             | 13    | 19    |
| Number of discs                                  | pcs | 14                | 12    | 16   | 18                | 16    | 24    | 22             | 24    | 36    |
| Weight**                                         | kg  | 1,800–2,100       |       |      | 2,150–2,450       |       |       | 2,850–3,150    |       |       |
| Recommended output*                              | HP  | 60–80             |       |      | 80–100            |       |       | 100–150        |       |       |

\* depends on soil conditions \*\* acc. to the equipment

Recommended width of tractor tyres for cultivator with additional fertilisation – 420/480 mm (front/rear)

### ROW-MASTER RN\_S

|                                                                                |     | RN 3000 S |             | RN 6000 S   |             | RN 9000 S   |             | RN 12000 S  |             |
|--------------------------------------------------------------------------------|-----|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of rows                                                                 | pcs | 6         | 12          | 18          | 24          | 18          | 24          | 36          | 48          |
| Working width                                                                  | m   | 3         | 6           | 9           | 12          | 18          | 24          | 36          | 48          |
| Working depth*                                                                 | cm  | 2–10      | 2–10        | 2–10        | 2–10        | 2–10        | 2–10        | 2–10        | 2–10        |
| Inter-row distance                                                             | cm  | 45/50     | 45/50       | 45/50       | 45/50       | 45/50       | 45/50       | 45/50       | 45/50       |
| Number of tines – early cultivation (3 pcs/unit)                               | pcs | 19        | 37          | 55          | 73          | 111         | 148         | 177         | 231         |
| Number of tines and chisels – late cultivation (1 pcs tine 2 pcs chisels/unit) | pcs | 7/12      | 13/24       | 19/36       | 25/48       | 37/72       | 49/96       | 59/112      | 77/144      |
| Number of chisels for packing                                                  | pcs | 7         | 13          | 19          | 25          | 37          | 49          | 59          | 77          |
| Number of discs                                                                | pcs | 12        | 24          | 36          | 48          | 72          | 96          | 112         | 144         |
| Weight**                                                                       | kg  | 650–840   | 1,310–1,820 | 1,770–2,470 | 2,340–3,190 | 3,510–4,740 | 4,680–6,240 | 5,610–7,440 | 7,260–9,720 |
| Recommended output*                                                            | HP  | 60–80     | 70–110      | 110–140     | 140–160     | 210–270     | 270–360     | 320–420     | 410–528     |

\* depends on soil conditions \*\* acc. to the equipment

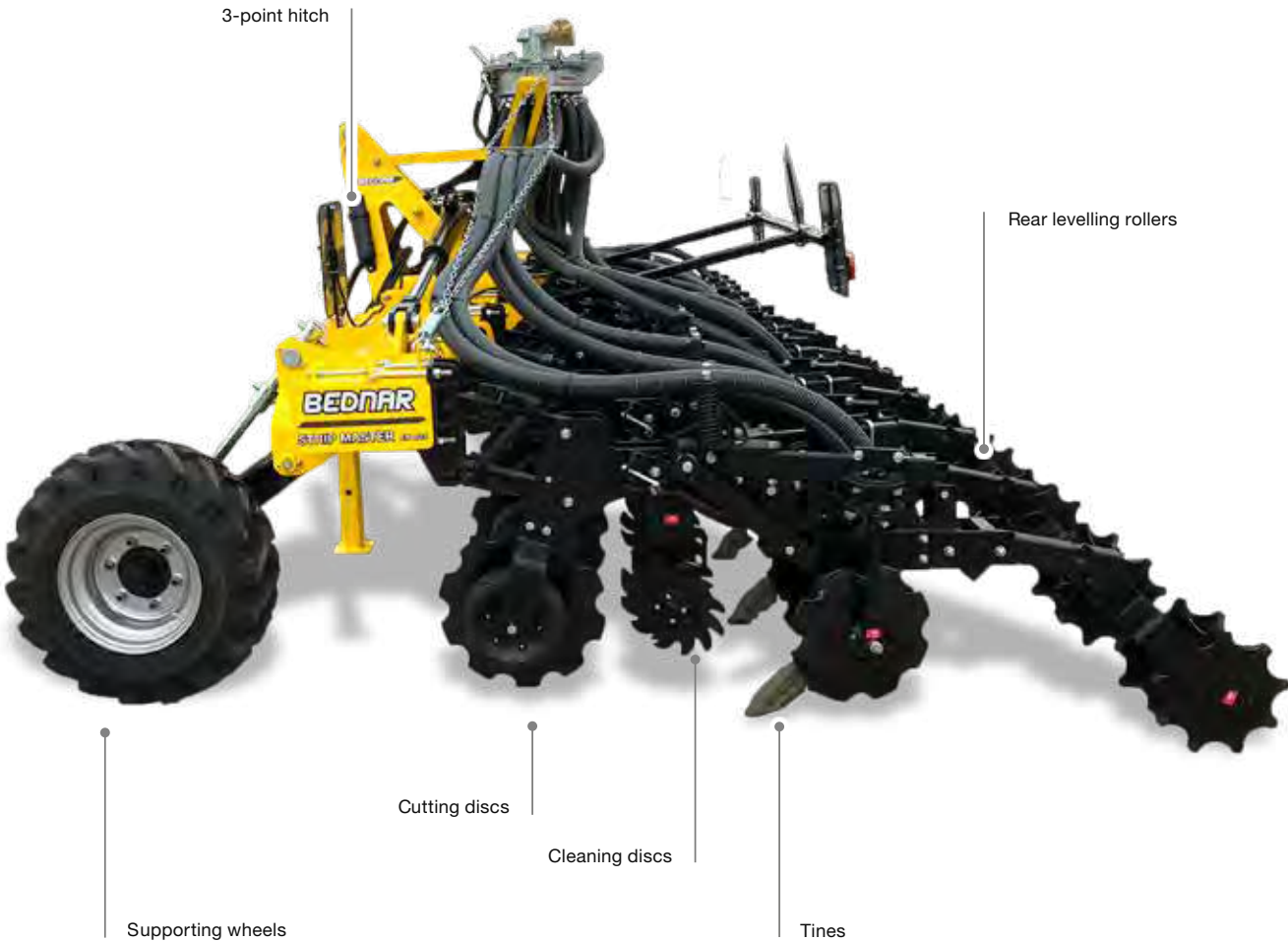




STRIP MASTER is a row cultivator that processes soil in 75 cm (70 cm) strips up to a depth of 35 cm. The machine excels in perfect strip processing and cleaning the strips from crop residue. The machine enables the application of both mineral and liquid fertilisers, including liquid manure or digestate from biogas stations.

STRIP MASTER EN





WORKING UNITS ON PARALLELOGRAM

The individual working units operate individually on a parallelogram. It is very important that the fertiliser (mineral x liquid) is always placed at the same working depth, which helps achieve a levelled growth in the following year.



“We developed the STRIP-MASTER together with BEDNAR at our company. BEDNAR met our assignment regarding the machine concept. The main requirements included simple machine settings and a robust and solid frame. One of the other main requirements was application of manure as well as granulated fertilisers. When the machine was delivered, we were surprised with its construction. The STRIP-MASTER is robust and solid. The individual carriages are mounted on a parallelogram, thanks to which they perfectly trace the surface. The machine operator is also very happy with the machine – it is easy to control.”

Libor Slabý, Head of Mechanisation

ROSTĚNICE, a. s. | Rostěnice (Czech Republic) | 10,100 ha  
SWIFTER SM 18000, SM17000, SM 16000, TERRALAND TO 6000,  
PRESSPACK PT6000, CUTTERPACK CT6000, STRIGEL PRO  
PE 12000 + ALFA 800, MULCHER MM 7000, ATLAS 8000

STRIP-MASTER

| EN 8R/75           |     |       |
|--------------------|-----|-------|
| Working width      | m   | 6     |
| Transport width    | m   | 3     |
| Working depth      | cm  | 35    |
| Number of tines    | pcs | 8     |
| Spacing of tines   | cm  | 75    |
| Total weight       | kg  | 4,200 |
| Recommended output | HP  | 240   |

\* depends on soil conditions    \*\* acc. to the equipment



OMEGA OO\_L is a VERSATILL lightweight seed drill with disc soil preparation which allows for planting various crops with a large seeding amount variation. The OO\_FL model has the option of additional fertilisation.



OMEGA OO FL





FRONT EQUIPMENT



CRUSHBAR LEVELLER



FRONTPACK PNEUMATIC PACKER



FRONTPACK PNEUMATIC PACKER + CRUSHBAR LEVELLER



HYDRAULICALLY ADJUSTABLE DRAWBAR



INTER-ROW DISTANCE OF 12.5 OR 16.7 cm

Precise seedbed preparation, careful management of soil moisture and precise placement of seeds at an identical depth along the entire working width of the machine influence the evenness of seed emergence, the optimal number of plants per area unit and limits mutual competition of the plants. Quality seeding provides for optimal use of nutrients in the soil and is a precondition for achieving high crops and optimal harvest quality.

The OMEGA seed drills can be used for establishing crops with the inter-row spacing of 12.5 or 16.7 cm.

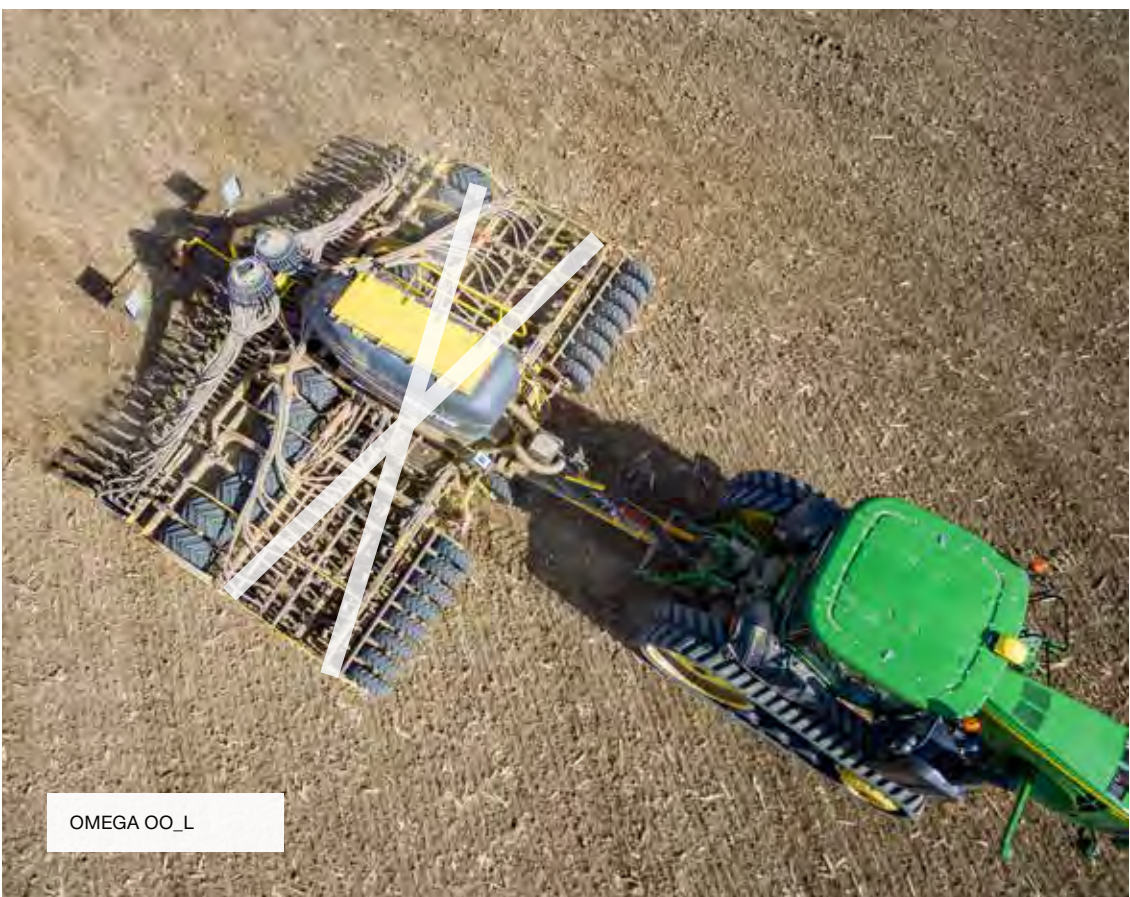


“Among other things, we also specialise in services in agriculture and we often provide services in the field of corn, potato and sugar beet harvesting during the wheat planting season. Therefore, we often lack time for quality soil preparation and good establishment of the wheat growth. Thus, we were looking for a machine that can handle everything in a single pass, if possible. The OMEGA seed drill by BEDNAR seemed very interesting, particularly the arrangement of its working parts, together with the coulter section. When we learned all the details about the machine, we liked it a lot and so we visited several users and based on their positive references, we decided to purchase one. The OMEGA seed drill met all our expectations. The machine control is very simple for the operator, especially when the seeding amount is calibrated, which is done in the rear part of the machine and the tractor driver does not have to crawl anywhere under the dispensing mechanism. The seeding amount is highly precise.”

Martin Zbořil, Farm Owner

SLUŽBY Martin Zbořil  
Veleboř (Czech Republic)  
120 ha  
OMEGA OO 4000L





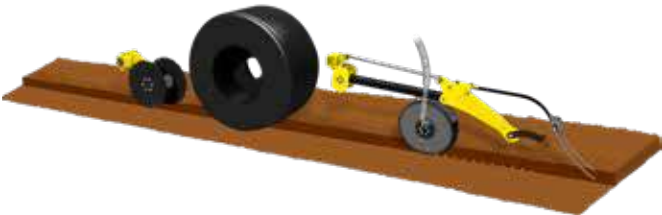
PROFI COULTER SECTION FOR CULTIVATION IN WET CONDITIONS

The coulters section is an optional accessory to the OMEGA OO\_L and OO\_FL seed drills. This working section can be installed between the first rows of discs and the pneumatic packer. The section is formed by corrugated discs with a diameter of 400 mm. The individual discs are offset so that they do not get clogged during work. The section is designed for soil cultivation prior to seeding. In spring, the seed drill only works with a recessed coulters section so that the soil is not brought out and mixed by the front disc section. On the contrary, when planting rapeseed, both sections (coulters and disc) work to provide ideal clod crumbling and to prepare ideal conditions for the seeds.



TURBO COULTERS

There are straight cutting coulters that are in the same line as the drill coulters. The profi coulters can open up even very hard soil and cut any crop residue. The seeds are thus placed in a clean seedbed.



“X”-SHAPED DISC SECTIONS

The OMEGA OO 6000 L seed drill has disc sections mounted in the shape of X, which provides precise adherence to the track of the seed drill behind the tractor.



“Our drill selection process lasted for at least two years. Over this time we tested all the competitive machines in our fields. BEDNAR was completely unknown at the time, but the design and build looked as good as that of the renowned competitors. Price was also an important criteria, but the quality of the job and smart details in the design and ability to adapt specification to our needs and pocket was what convinced us. We tested the Ferti version, but opted for a grain only machine to keep the draft requirement as low and output as high as possible. After the first year of use we are absolutely happy with the machine. We used a 4-m mounted power harrow and drill combination before, so productivity grew massively, but we still run the same 250-HP tractor. Seeding depth consistency, convenient transport on the road, comfort of operation pleases us every working day.”

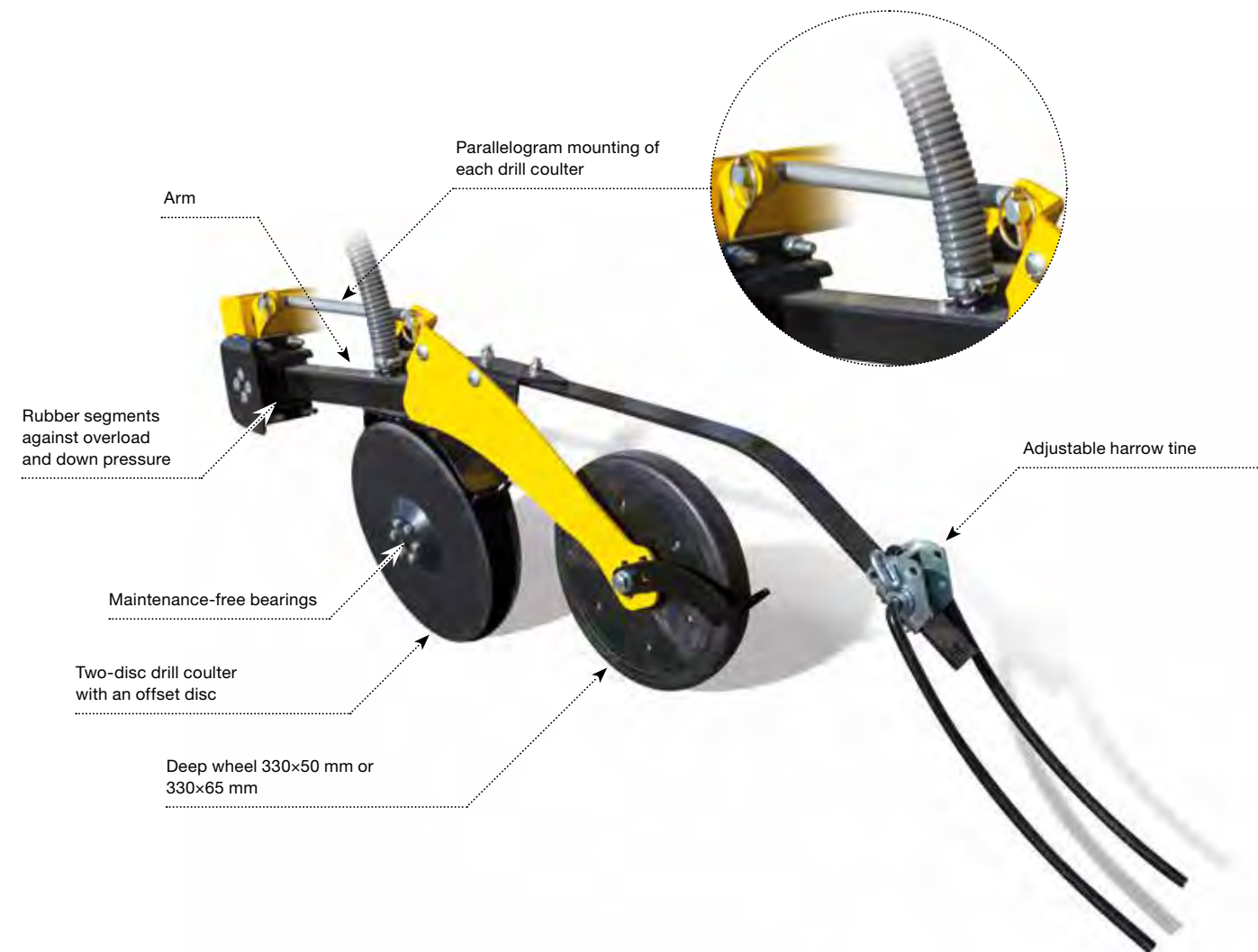
Algis Vaičiulis, Ričardas Vaičiulis, owner of the farm and son

Algis Vaičiulis farm  
Kelmė region (Lithuania)  
over 500 ha  
OMEGA OO 6000L





OMEGA OO FL



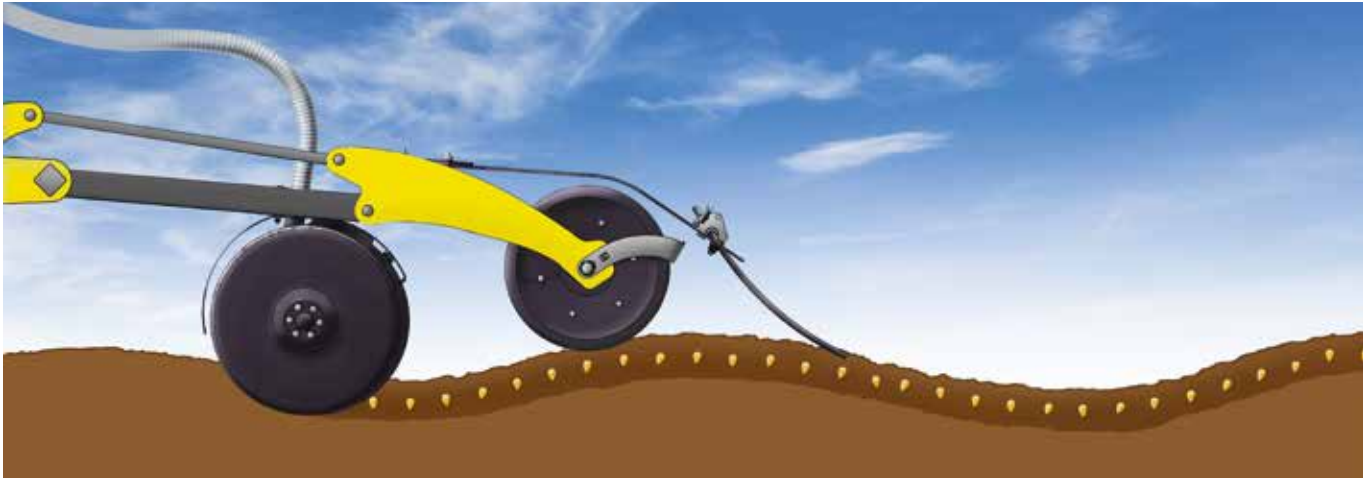
**A-DISCS: A NEW DIMENSION OF WORK QUALITY**

A specially shaped disc with a diameter of 460 mm and a wall thickness of 5 mm with significantly higher cutting and mixing effect when compared with standard indented discs. A-discs have a high number of sharp edges along the circumference for easy incorporation of a large quantity of crop residue. The sharp edges effectively cut any crop residue. Moreover, the profiled shape allows picking up more soil from the field than in case of standard notched discs. Each profiled disc protrusion picks up soil and brings it towards the crop mulcher where it is mixed. The result is excellent.



**OFFSET PACKER**

The individual tyres of the OMEGA OO 6000 L seed drill packer are mounted in an offset manner which increases their resistance to getting clogged in wet conditions. The offset mounting of the packer tyres also increases stability of the seed drill and improves its weight distribution on the soil.



**PERFECT SURFACE CONTOURING**

- The perfect guidance of the machine and tracing unevenness are achieved by:
- Constant down pressure on the side frames using hydraulic accumulators. This ensures an even distribution of pressure on the entire working depth of the seed drill.
  - Division of the frames with the drill coulters into three parts.



ISOBUS CONTROL



ME Basic Terminal

- An economical version for controlling seed drills, FERTI-BOX or FERTI-CART.
- Easy and fast installation of the terminal in the tractor cabin.
- The functions are controlled by buttons on both sides of the display.
- The terminal is equipped with a 5.7" coloured display that provides all the information in a well-arranged manner.
- It is equipped with Tractor-ECU, enabling getting data directly from the tractor.
- The Basic Terminal supports several functions for precise agriculture, such as SECTION-CONTROL, TRACK-Leader and other.\*
- To make it easier for the operator, the BASIC terminal can be extended with a series of accessories, such as cameras etc.\*

ME TOUCH 800 Terminal

- A terminal with state-of-the-art touch technology.
- The terminal is equipped with a dual 8" TFT touch display.
- The touch film is placed behind protective glass, which makes this terminal perfect for the rough agricultural environment.
- This alternative allows displaying the “main screen” and the “header screen” at the same time thanks to the high resolution.
- The TOUCH 800 terminal supports the functions of precise farming, such as SECTION-CONTROL, TRACK-Leader, FieldNav (easy machine navigation in the field)\*.
- To make it easier for the operator, the TOUCH 800 terminal can be extended with a series of accessories, such as cameras etc.\*

ME TOUCH 1200 Terminal

- It can be used edgewise or breadthways as required by the customer.
- A terminal with state-of-the-art touch technology, with a 12.1" display.
- Up to five concurrent applications (no other terminal provides this function).
- The touch film is placed behind protective glass, which makes this terminal perfect for everyday use in the rough agricultural environment.
- It is equipped with Tractor-ECU, enabling getting data directly from the tractor.
- The TOUCH 1200 terminal supports the functions of precise farming, such as SECTION-CONTROL, TRACK-Leader, TRACK-Leader AUTO\*.
- To make it easier for the operator, the TOUCH 1200 terminal can be extended with a series of accessories, such as cameras etc.\*

\* Some functions are available for an additional charge and may require additional accessories. If interested, contact your dealer.



“We decided to purchase the OMEGA seed drill for the excellent price to value ratio. Moreover, you can choose a third row of corrugated coulters as optional equipment. With those, you can create a better seedbed even under more demanding soil conditions in a single pass. We tried it without stubble cultivation, we planted an interim crop after harvest, and the machine worked very well. The seed drill by BEDNAR also excels in its performance among competitive brands. It is possible to seed more than 60 hectares daily at a speed of 12 km/h.” Gergely Dávid, Owner

Gergely Farm  
Borsod-Abaúj-Zemplén megye (Hungary)  
850 ha  
OMEGA OO 8000L



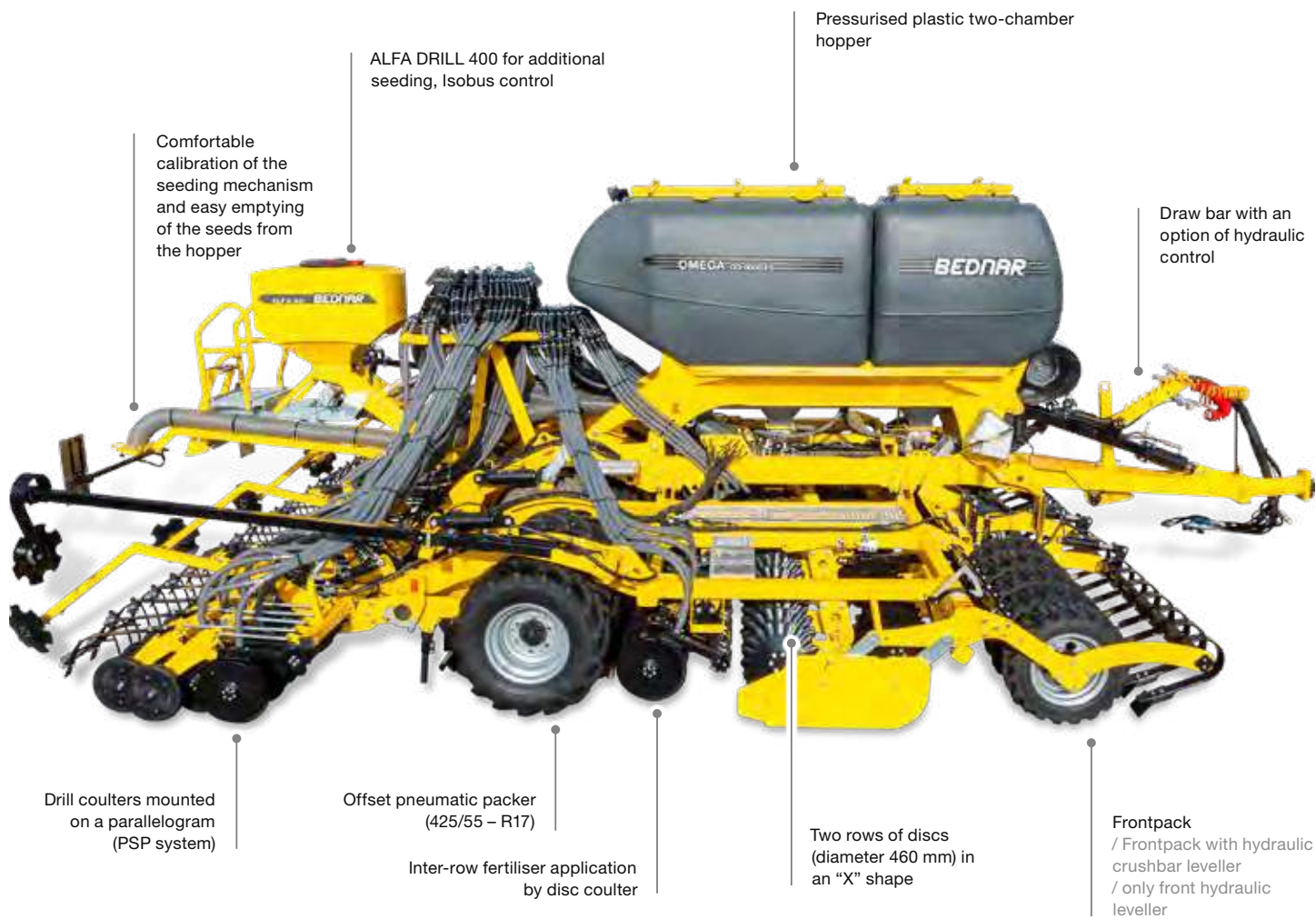
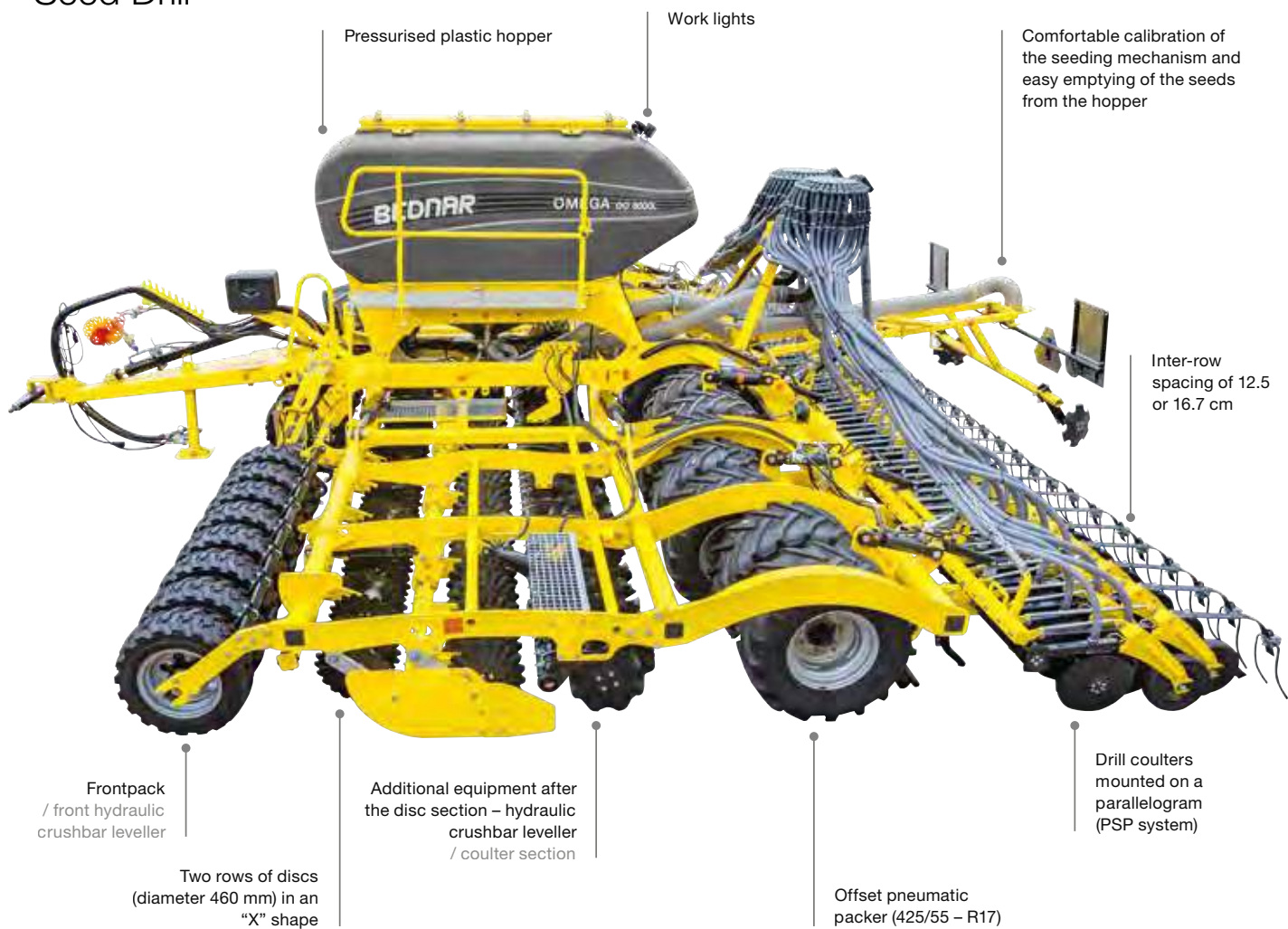
“We chose the OMEGA cultivator for its universality. We have very heavy soils at our farm that are hard to cultivate, particularly after rain. The third row of discs lets us work even during wet springs, or in the autumn stubble fields or after tillage, if necessary. It crushes clods very well and treats soil in a single pass, reducing the cost of fuel and also cutting down the time of seeding, which is very important especially for oil seed rape.”

Łukasz Drwięga, owner

GR Sebastian Drwięga  
Sztumski district (Poland)  
200 ha  
OMEGA OO 3000L



OMEGA  
Seed Drill



OMEGA OO\_L

|                            |     | OO 3000 L   |             | OO 4000 L   | OO 4000 RL  | OO 6000 L    | 8000 L |
|----------------------------|-----|-------------|-------------|-------------|-------------|--------------|--------|
| Working width              | m   | 3           | 4           | 4           | 6           | 8            |        |
| Transport width            | m   | 3           | 3           | 4           | 3           | 3            |        |
| Transport length*          | m   | 7.4         | 8.5         | 9.8         | 8.5         | 8.9          |        |
| Inter-row distance         | cm  | 12.5/ 16.7  | 12.5/ 16.7  | 12.5/ 16.7  | 12.5/ 16.7  | 12.5/ 16.7   |        |
| Number of seeding coulters | pcs | 24/ 18      | 32/ 24      | 32/ 24      | 48/ 36      | 64/ 48       |        |
| Disc spacing               | cm  | 25          | 25          | 25          | 25          | 25           |        |
| Number of discs            | pcs | 24          | 32          | 32          | 48          | 64           |        |
| Disc diameter              | cm  | 46          | 46          | 46          | 46          | 46           |        |
| Hopper capacity            | L   | 2,800       | 2,800       | 2,800       | 3,500       | 4,000        |        |
| Total weight*              | kg  | 3,030–4,600 | 4,250–6,600 | 4,250–6,600 | 6,350–8,860 | 8,500–12,800 |        |
| Recommended output**       | HP  | 100–150     | 100–170     | 100–170     | 160–250     | 300–400      |        |

\* acc. to the equipment    \*\* depends on soil conditions

OMEGA OO\_FL

|                            |     | OO 4000 FL    |               | OO 4000 RFL   | OO 6000 FL    | OO 8000 FL    | OO 9000 FL |
|----------------------------|-----|---------------|---------------|---------------|---------------|---------------|------------|
| Working width              | m   | 4             | 4             | 6             | 8             | 9             |            |
| Transport width            | m   | 3             | 4             | 3             | 3             | 3             |            |
| Transport length*          | m   | 9.2           | 9.8           | 9.2           | 8.9           | 8.9           |            |
| Inter-row distance         | cm  | 12.5/ 16.7    | 12.5/ 16.7    | 12.5/ 16.7    | 12.5/ 16.7    | 12.5/ 16.7    |            |
| Number of seeding coulters | pcs | 32/ 24        | 32/ 24        | 48/ 36        | 64/ 48        | 72/ 54        |            |
| Disc spacing               | cm  | 25            | 25            | 25            | 25            | 25            |            |
| Number of discs            | pcs | 32            | 32            | 48            | 64            | 72            |            |
| Disc diameter              | cm  | 46            | 46            | 46            | 46            | 46            |            |
| Hopper capacity            | L   | 4,000 (50:50) | 4,000 (50:50) | 5,000 (40:60) | 5,000 (40:60) | 5,000 (40:60) |            |
| Total weight*              | kg  | 5,300–7,600   | 5,000–7,300   | 7,700–9,600   | 11,500        | 12,500        |            |
| Recommended output**       | HP  | 130–180       | 130–180       | 200–280       | 340–400       | 400–470       |            |

\* acc. to the equipment    \*\* depends on soil conditions

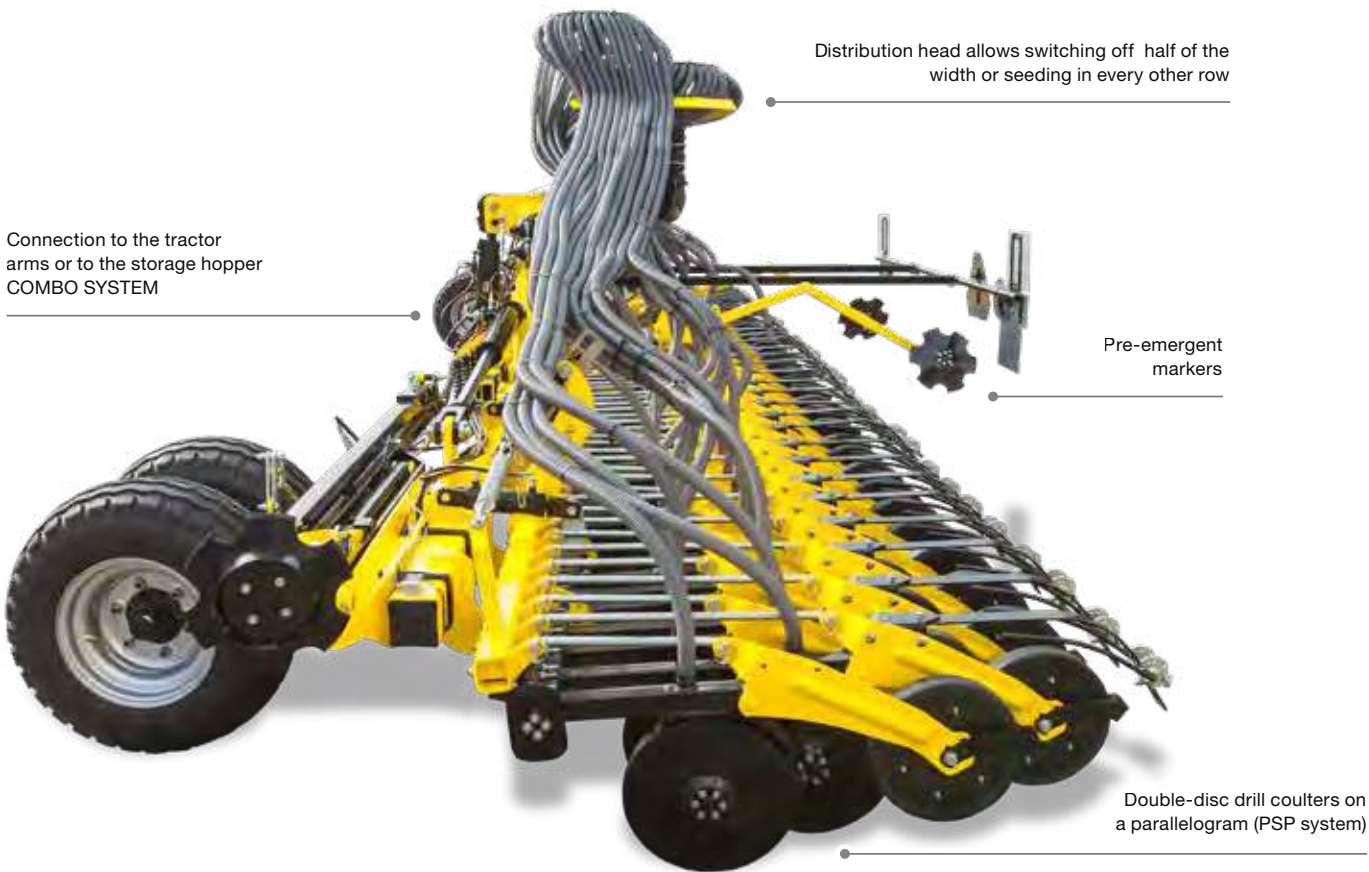


The CORSA CN is a mounted seeding bar that can be aggregated with the COMBO SYSTEM CS 5000 storage hopper, or directly to the three-point hitch of the tractor. When the bar is aggregated with the tractor, it can be connected to the front seed hopper.



CORSA CN





The seeding bar consists of double-disc drill coulters that work on a parallelogram (PSP system). The available inter-row spacing is 12.5 cm and 16.7 cm, with the option to plant seeds in every other row at 25 cm, or 33 cm. The CORSA seeding bar can be equipped with side and pre-emergent markers.

CORSA CN

|                          |     | CN 6000   | CN 8000   | CN 9000   |
|--------------------------|-----|-----------|-----------|-----------|
| Working width            | m   | 6         | 8         | 9         |
| Transport width          | m   | 3         | 3         | 3         |
| Inter-row distance       | cm  | 12,5/16,7 | 12,5/16,7 | 12,5/16,7 |
| Number of drill coulters | pcs | 48/36     | 64/48     | 72/54     |
| Total weight*            | kg  | 2200–3000 | 2600–3600 | 2800–3800 |
| Recommended output**     | HP  | 150–200   | 180–230   | 200–250   |

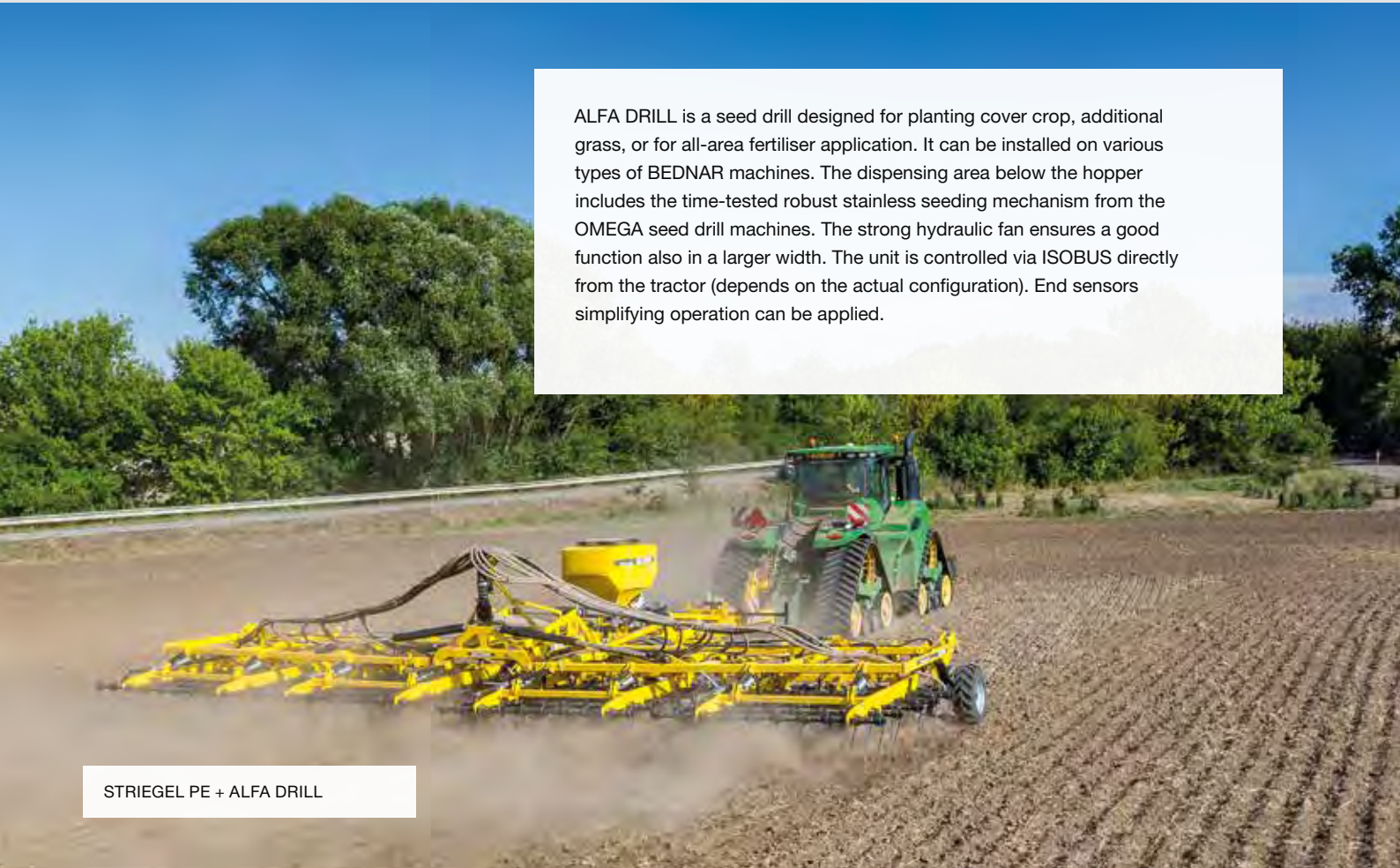
\* acc. to the equipment    \*\* depends on soil conditions



# ALFA DRILL

Seed Drill

seeding and fertilisation



Pressurised hopper



Stainless metering system



## COMFORTABLE AND SAFE ACCESS TO THE HOPPER

The hopper with a capacity of 400 or 800 litres is easily accessible. The hopper is equipped with level sensors.



## DISTRIBUTION END PIECE

The seeding mechanism can be equipped with a wide range of seeding rollers in relation to the seed properties and the seeding amount. The seeding rollers are identical with the OMEGA seed drill seeding rollers.

## ALFA DRILL

|                           |       | Alfa 400 | Alfa 800  |
|---------------------------|-------|----------|-----------|
| Hopper capacity           | L     | 400      | 800       |
| Dimension of feed opening | mm    | 380      | 770 × 530 |
| Filling height            | cm    | 117      | 144       |
| Hydraulic oil quantity    | L/min | 24       | 24        |
| Total weight*             | kg    | 150      | 230       |

\* acc. to the equipment



FERTI-CART is a trailed, pressurised hopper, primarily designed for direct application of fertilisers into soil horizons. The major use of the hopper is in connection with other machines for soil cultivation, such as TERRALAND, TERRASTRIP or FENIX.



FERTI-CART FC



# FERTI-CART FC

Fertiliser Hopper



FERTI-CART FC

FERTI-CART is designed to be maximally suited for work and manipulation of solid fertilisers. The intake of the plastic hopper has a large inclination to allow for the application of a lower-quality fertiliser. The pressurised design increases dispensing accuracy, namely in fertilisers that are more demanding on distribution.



## FERTILISER APPLICATION INTO SOIL PROFILE

The nutrition of crops from soil is the main and form of nutrition. The modern methods of fertiliser application into soil profile facilitate effective nutrition of plants from the soil environment. The fertiliser is applied at various levels, for starting up growth and crop emergence (fertilisation under the seeds during planting) and for continual nutrition of crops during vegetation by placing supply fertiliser into lower soil layers (fertilisation deeper in the profile according to the root system architecture).



## INTUITIVE CONTROL VIA ISO BUS TERMINAL

FERTI-CART can be controlled via ISO BUS system, or via one of the terminals – ME Basic, ME Touch 800, ME Touch 1200.



## UNIVERSAL CONNECTION

FERTI-CART can be easily connected to the TERRALAND and TERRASTRIP chisel ploughs, and to the FENIX and VERSATILL universal cultivators.



## TENSOMETRIC WEIGHING SYSTEM

The tensometric weighing system offers the option of current data transfer to the server.



“At the beginning, I was worried about how it would work. But I no longer worry! The setting is very easy. The NPK batching is precise. We calculated that. The batch is set to 200 kg/ha and I work to a depth of 40 cm. I work 25 to 30 ha daily. It is a joy to drive the machine.”  
Martin Záborský, Machine Operator

Martin Rajtr, Private Farmer  
Moravěves (Czech Republic)  
1,200 ha  
FERTI-CART FC 3500 + TERRASTRIP ZN8R/45,  
MULCHER MM 7000, TERRALAND TN 3000, SWIFTER SE 10000,  
ECOLAND EC 4000





FERTI-CART FC + TERRASTRIP ZN



FERTI-CART FC

|                            | FC    |            |
|----------------------------|-------|------------|
| Capacity                   | L     | 3,500      |
| Number of metering devices | pcs   | 1          |
| Dimension of feed opening  | mm    | 2060 × 675 |
| Filling height             | cm    | 123        |
| Hydraulic oil quantity     | L/min | 55         |
| Total weight *             | kg    | 2800       |

\*Weight without ballast. Ballast 600 kg or 1200 kg.



# COMBO SYSTEM

Storage Hopper

seeding and fertilisation

The COMBO System CS is a pressurized storage hopper designed for various operations in plant production. It is especially suitable for aggregation with TERRASTRIPor and TERRALAND chisel ploughs and the CORSA CN seeding bar for quick crop establishment.



COMBO SYSTEM CS+ CORSA CN



# COMBO SYSTEM

Storage Hopper

seeding and fertilisation



The COMBO System is equipped with large flotation tyres with minimum pressure of 0.8 bar and max. 4 bar. This solution means a lower pressure on soil, which is especially important when establishing crop.



Two stainless metering systems with electric drives that enable changing the batches according to the agronomic needs.

## COMBO SYSTEM CS

|                            |       | CS 5000                |
|----------------------------|-------|------------------------|
| Capacity                   | L     | 5000                   |
| Number of metering devices | pcs   | 2                      |
| Dimension of feed opening  | mm    | 1530 x 620 / 796 x 580 |
| Filling height             | cm    | 150                    |
| Hydraulic oil quantity     | L/min | 55                     |
| Total weight *             | kg    | 6000                   |

\* Weight without ballast



# FERTI-BOX

Fertiliser Hopper

seeding and fertilisation

FERTI-BOX is a mounted hopper enabling application of fertilisers into the soil profile during soil cultivation which makes the operations as well as the application of fertilisers more effective.



FERTI-BOX FB\_F





FERTI-BOX FB + OMEGA OO



FERTI-BOX FB\_TN



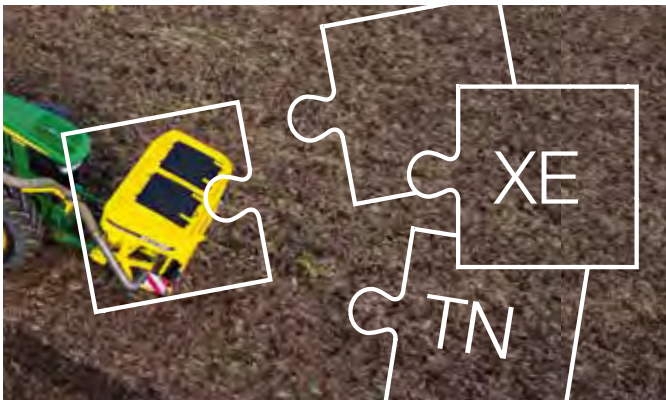
DIRECT PROFILE FERTILISATION

The system of “profile fertilisation” is one of the efficient methods for maintaining a sufficient and balanced supply of nutrients in the soil, not only at the level of arable soil, but also in the deeper layers of the soil profile. This innovative method of fertiliser application is suitable both for adding deficit nutrients to the soil at the balanced level of a good supply and for improving the availability of nutrients for the plants, as well as a positive effect on the growth of the root system. The application of this fertilisation method and the determination of the individual batches of nutrients for fertilisation should be performed on the basis of the diagnostics of the supply of acceptable nutrients in the soil. The contents of nutrients are provided, for example, in the current soil analyses from the system of the Agrochemical Farmland Testing (the content of nutrients in the soil in the standardized extract Mehlich III).



PNEUMATIC DELIVERY FROM PRESSURE HOPPER

The fertiliser is delivered from the hopper pneumatically to the application end pieces of the cultivator. The hopper is pressurised. This solution increases the precision of the batch.



UNIVERSAL USE

The FERTI-BOX hoppers can be easily aggregated with the STRIEGEL-PRO straw harrows, SWIFTERDISC cultivators, FENIX universal cultivators, and TERRALAND chisel ploughs.



INTUITIVE CONTROL VIA ISO BUS TERMINAL

FERTI-BOX can be controlled via ISO BUS system, or via one of the terminals – ME Basic, ME Touch 800, ME Touch 1200.



FERTI-BOX
Fertiliser Hopper



"BEDNAR products perfectly fit our soil cultivation technology. Our company owns 11,000 ha over a radius of 50 km. Therefore, we need to have enough machines. This year, we are starting with deep fertilisation using a FERTI-BOX FB 3000, TERRALAND TO 6000 and PT 6000."
Ing. Robert Zhorela, Chief Mechanisation Technician

Donau Farm
Kalná nad Hronom (Slovakia)
11,000 ha
FERTI-BOX FB 3000



FERTI-BOX

|                            |       | FB 2000 F        | FB 2000 F Dual** | FB 3000           | FB 1500 TN |
|----------------------------|-------|------------------|------------------|-------------------|------------|
| Capacity                   | L     | 1,900            | 2,200            | 3,000             | 1,500      |
| Number of metering devices | pcs   | 1                | 2                | 2                 | 1          |
| Dimension of feed opening  | mm    | 700×700/700×1600 | 700×460/700×1260 | 900×1040/620×1040 | 480×1780   |
| Filling height             | cm    | 136              | 136              | 82                | 107        |
| Hydraulic oil quantity     | L/min | 55               | 90               | 55,90             | 24         |
| Total weight *             | kg    | 600–1,300        | 730–1,400        | 1,090–1,260       | 450        |

\* acc. to the equipment \*\* chamber ratio 70/30



# STRIEGEL-PRO

Straw Harrow

crop residue management

STRIEGEL-PRO is a straw harrow used in crop residue management for harrowing crop residue, activating the second growth, reviving perennial grass and preparing the seedbed up to 4 cm before seeding in spring.

STRIEGEL-PRO PN



# STRIEGEL-PRO

Straw Harrow



STRIEGEL-PRO PE



“After comparing the overall availability of straw harrows on the market, we were impressed with the robustness and technical details of the STRIEGEL-PRO PE 12000 machine frame. The machine allows us to work at high speed, spread any crop residue along the entire width of the machine and mix any threshed seeds with soil. Repeated passes with the STRIEGEL-PRO 12000 help reduce the use of pesticides in our region.”

GIEE de Morancourt  
Morancourt (France)  
1,000 ha | STRIEGEL-PRO PE 12000



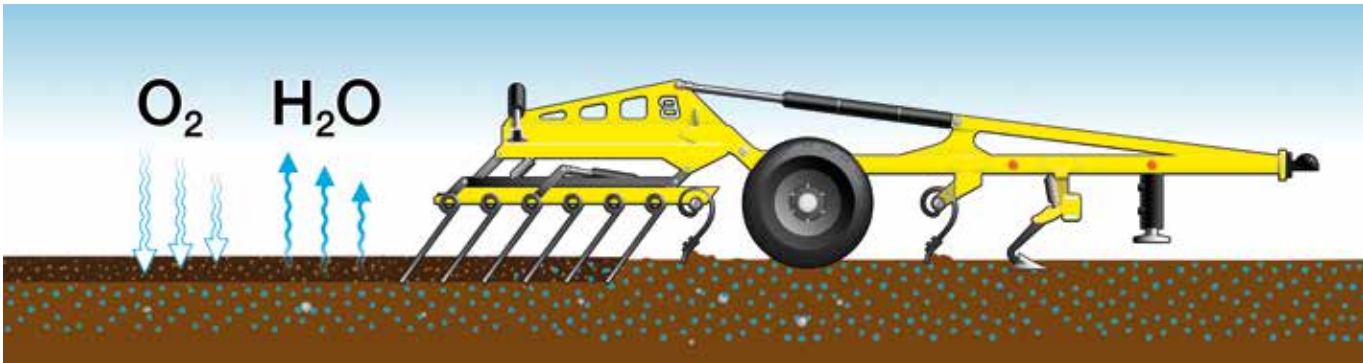
## CROP RESIDUE MANAGEMENT

Crop residue should be evenly spread to activate the second growth and thus prepare the field for the following soil cultivation operations. In spring, we recommend using the straw harrow to „open up“ the soil and allow faster warming up of the top layer. The harrow can also be used for spring restoration of permanent grassland.



## PERFECT SURFACE CONTOURING

The STRIEGEL-PRO PE version provides perfect tracing of terrain unevenness thanks to the sections mounted on a parallelogram.



## EARLY SPRING SOIL CULTIVATION

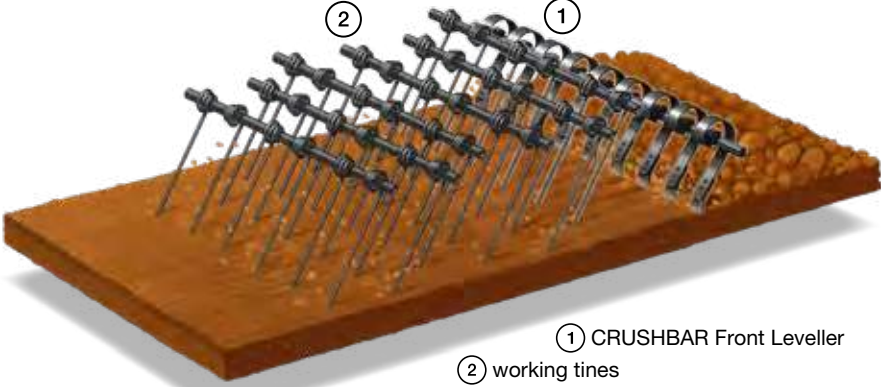
The STRIEGEL-PRO straw harrow is perfect for opening, levelling and warming up the top soil layer. The use of the machine accelerates soil maturation for spring crop seeding.



# STRIEGEL-PRO

## Straw Harrow

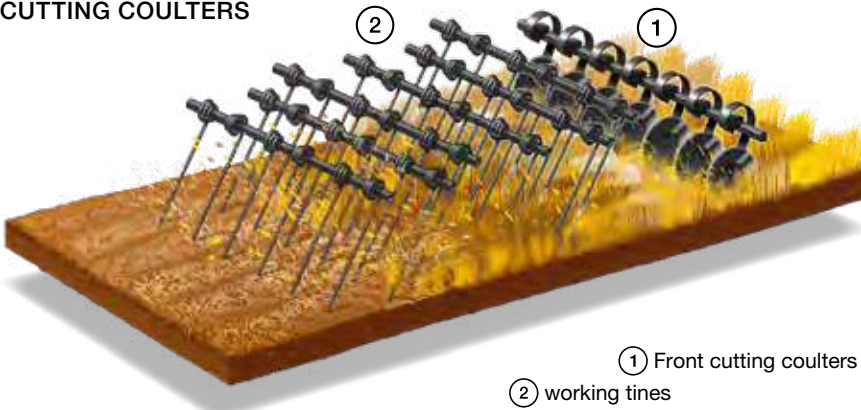
### CRUSHBAR FRONT LEVELLER FOR SPRING CULTIVATION



**CRUSHBAR** is a front leveller with individual spring-loading of each blade using a leaf spring. The working angle of the Crushbar is set automatically from the tractor cabin.

**Use:** Crushbar is ideal for levelling the surface in early spring. It can also be used for levelling a field after stubble cultivation.

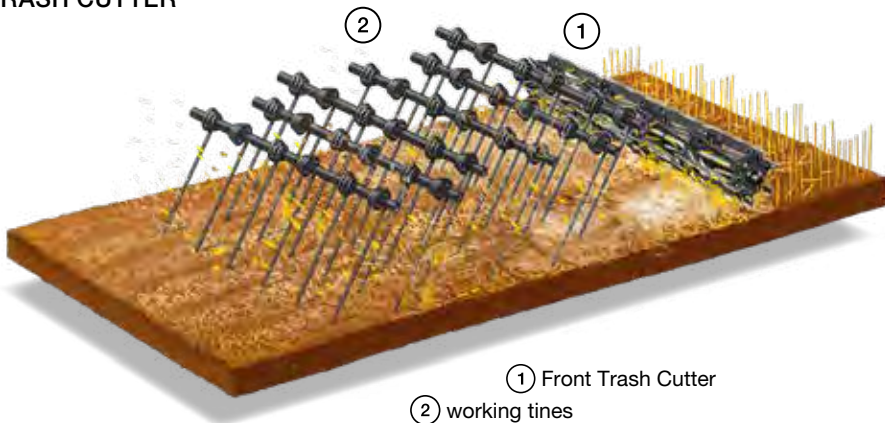
### FRONT CUTTING COULTERS



**COULTERS** are sharp front cutting discs that work on leaf springs. The coulters bring up soil to be mixed with crop residue.

**Use:** Coulters are ideal for shortening the length of stems, particularly after cereal or oil plants.

### FRONT TRASH CUTTER



**TRASH CUTTER** is a cutting roller for STRIEGEL-PRO PN located in the front part of the machine. The roller is made of sharp edges that are mounted in a helix. The small roller diameter (310 mm) provides a fast circumferential speed. The down pressure of the roller is controlled hydraulically from the tractor cabin.

**Use:** The trash cutter is ideal for cutting brittle, long stems, such as desiccated oil seed rape, sunflower, frozen cover crop etc.



### IMPROVE YOUR MACHINE

Try ALFA DRILL for seeding cover crop and provide your soil with more organic fertiliser. The soil will pay you back.

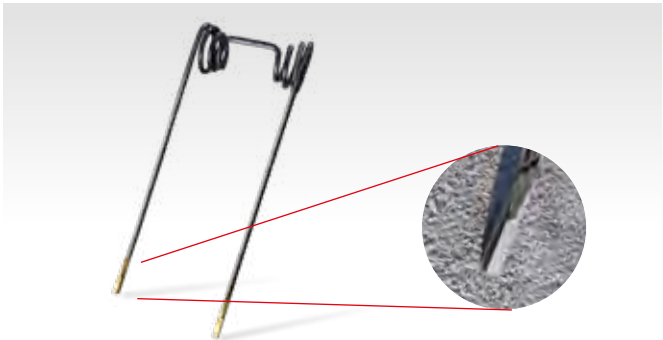
ALFA DRILL 800 for STRIEGEL-PRO PE 12000

ALFA DRILL 400 for STRIEGEL-PRO PN 6000, PN 7500, PN 9000



### HYDRAULICALLY CONTROLLED SECTION

The STRIEGEL-PRO PE straw harrow has six hydraulically adjustable rows of tines. The last two rows can be set independently using a mechanical ratchet to influence the resulting intensity of work. The PN version has five rows of tines, also hydraulically adjustable.



### LONG LIFE WORKING TINES

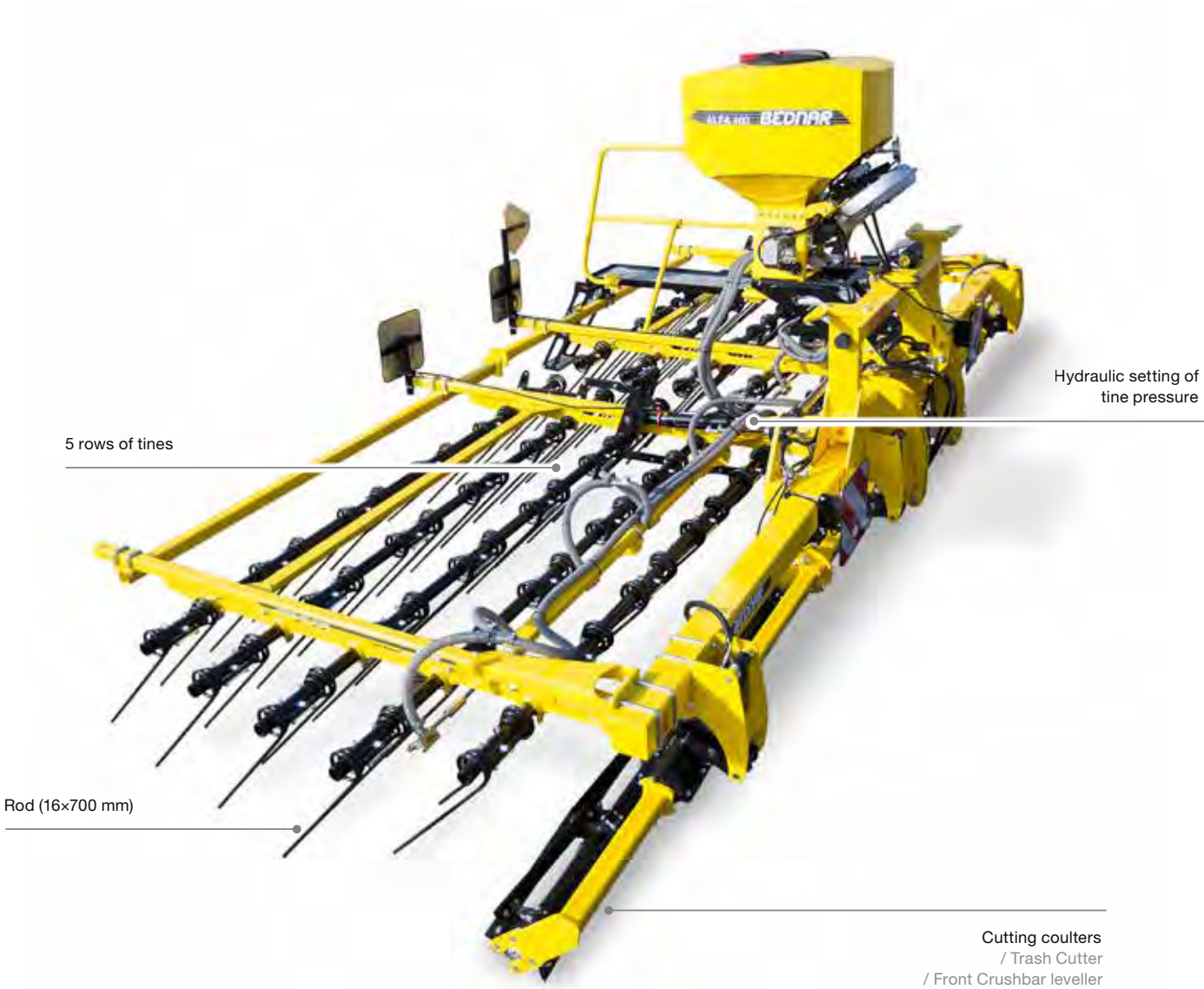
The working tines of the Striegel-Pro straw harrow are made of spring steel with a diameter of 16 mm and have carbide tips, LONG LIFE version. They extend the service life of the tines by multiple times.

The use of LONG LIFE tines does not change the quality of work related to wear and tear.



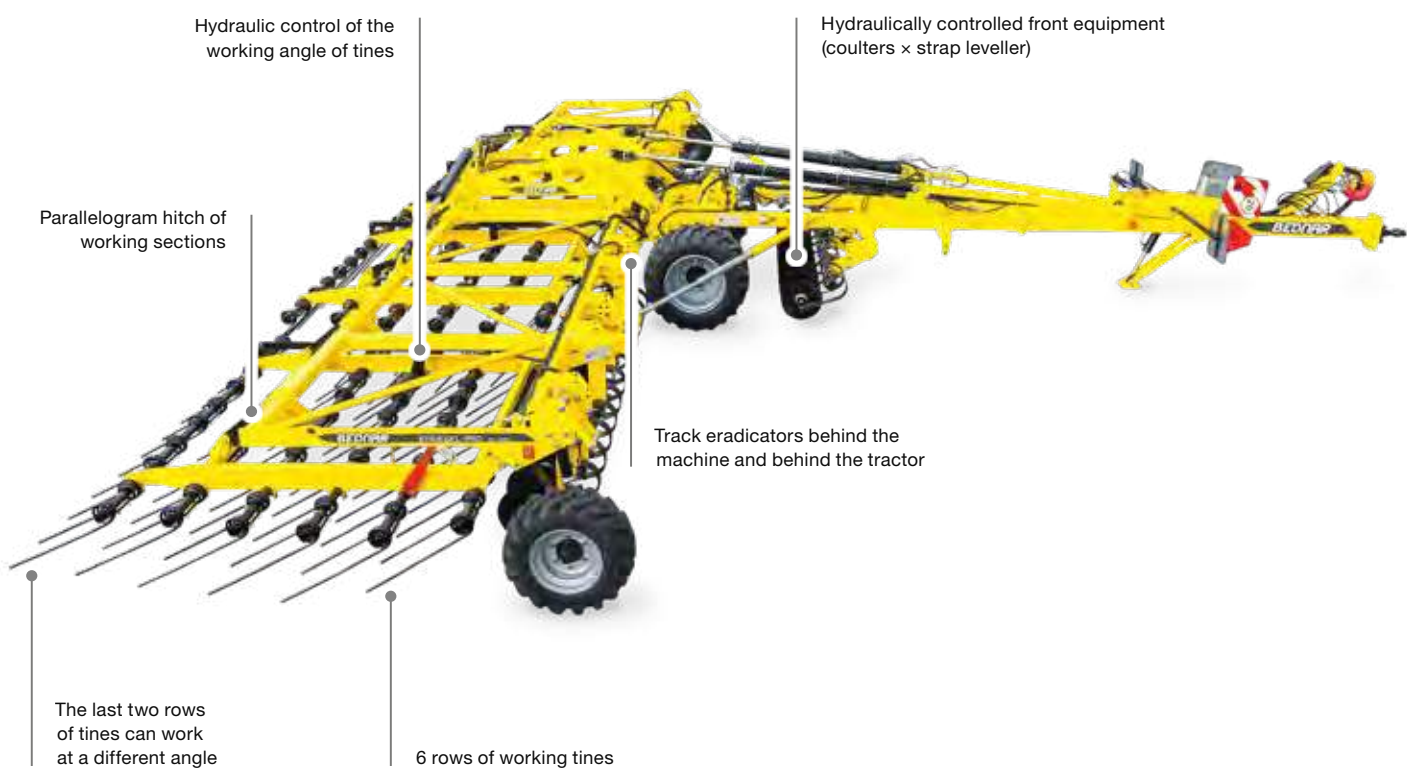
# STRIEGEL-PRO

Straw Harrow



STRIEGEL-PRO PN

## STRIEGEL-PRO PE



### STRIEGEL-PRO

|                       |     | PN 6000     | PN 7500     | PN 9000     | PE 12000    |
|-----------------------|-----|-------------|-------------|-------------|-------------|
| Working width         | m   | 6.1         | 7.5         | 9           | 12          |
| Transport width       | m   | 3           | 3           | 3           | 3           |
| Transport length      | m   | 3.5         | 3.5         | 3.5         | 8.7         |
| Working depth*        | cm  | 0–4         | 0–4         | 0–4         | 0–4         |
| Number of coulters    | pcs | 20          | 24          | 30          | 36          |
| Number of straw rows  | pcs | 5           | 5           | 5           | 6           |
| Spacing between tines | cm  | 6           | 6           | 6           | 5           |
| Number of tines/rods  | pcs | 50/100      | 60/120      | 75/150      | 120/240     |
| Total weight**        | kg  | 1,550–2,100 | 1,800–2,400 | 2,150–2,900 | 6,000–7,450 |
| Recommended output*   | HP  | 80–120      | 140–180     | 180–220     | 230–350     |

\* acc. to the purpose of use \*\* acc. to the equipment



# MULCHER

Rotary Mulcher

crop residue management

MULCHER is a machine designed for mulching crop residue in arable soil, perennial grasslands, leftover grazing plants or seedlings.





# MULCHER

Rotary Mulcher

crop residue management



MULCHER MM



MULCHER MO



## CROP RESIDUE MANAGEMENT

An uneven spreading of crop residue in the field leads to uneven drainage of nutrients from the soil and lack of nutrients for the crops planted later. This local nutrient deficit is hard to balance. This complication can be prevented with mulching. BEDNAR MULCHER machines are equipped with maize blades for mulching arable land. The blades, in combination with counter blades and

spreading plates, cut the stubble field and crop residue at two levels. Thorough cutting and spreading of crop residues after harvest provides ideal conditions for their even incorporation and mixing into the soil profile with subsequent promotion of mineralization. A low stubble field with well-cut straw is crucial for the quality result of the following soil cultivation.



## ARMOURED PLATING AT THE BOTTOM OF THE MACHINE

The bottom part of the machine can be equipped with armoured plating that prevents puncturing from stones etc.



## GALVANISED MACHINE FRAME FOR MAXIMUM DURABILITY

The robust frame with galvanised surface predetermines the machine for maximum deployment in the toughest conditions of agricultural operation.



# MULCHER

Rotary Mulcher



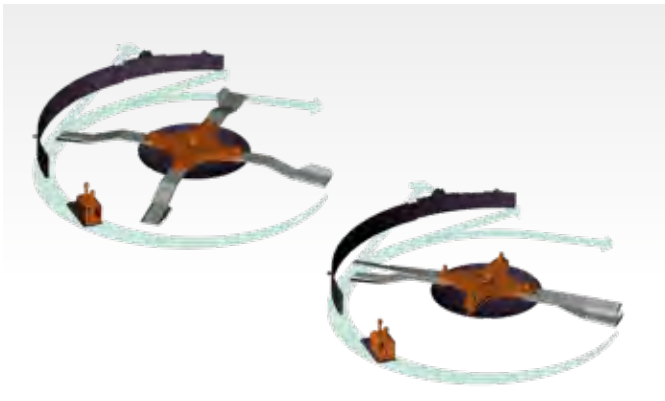
### HIGH LABOUR SAFETY

High labour safety is provided by the friction clutch, freewheel clutch and a rotor cover.



### SURFACE CONTOURING

Perfect surface tracing is provided thanks to the oscillation of the wings from  $-15^{\circ}$  to  $+45^{\circ}$  and a walking axle. No terrain is an obstacle to your work.



### GRASSLAND OR MAIZE BLADES

It is difficult to achieve the same results using the same cutting mechanism for various types of crop residue. Therefore, you can use the two types of cutting blades and two methods of installation on the MULCHER machines. That provides the same quality of work under different conditions.



### TRASH-FAN CONTINUOUS MACHINE CLEANING DEVICE

Trash-Fan is a device for continuous cleaning of the machine surface. The main part of this device is a fan that creates a stream of air which is directed to the risk spots on the surface of the mulcher by wind straighteners. This device significantly saves costs of idle time due to machine cleaning and also increases labour safety.



### A WIDE SUPPLY OF ADDITIONAL EQUIPMENT

Our portfolio also includes front counter blades, spreading plates, frame cover plates or a box for spare blades.



“Originally, we wanted a mulcher for pastures and third mowing of meadows but in the end, we also mulch stubble fields after oil seed rape and corn because the crop residue is much easier to fold and it disintegrates fast at lower nitrogen consumption.”

Josef Novák, Agronomist

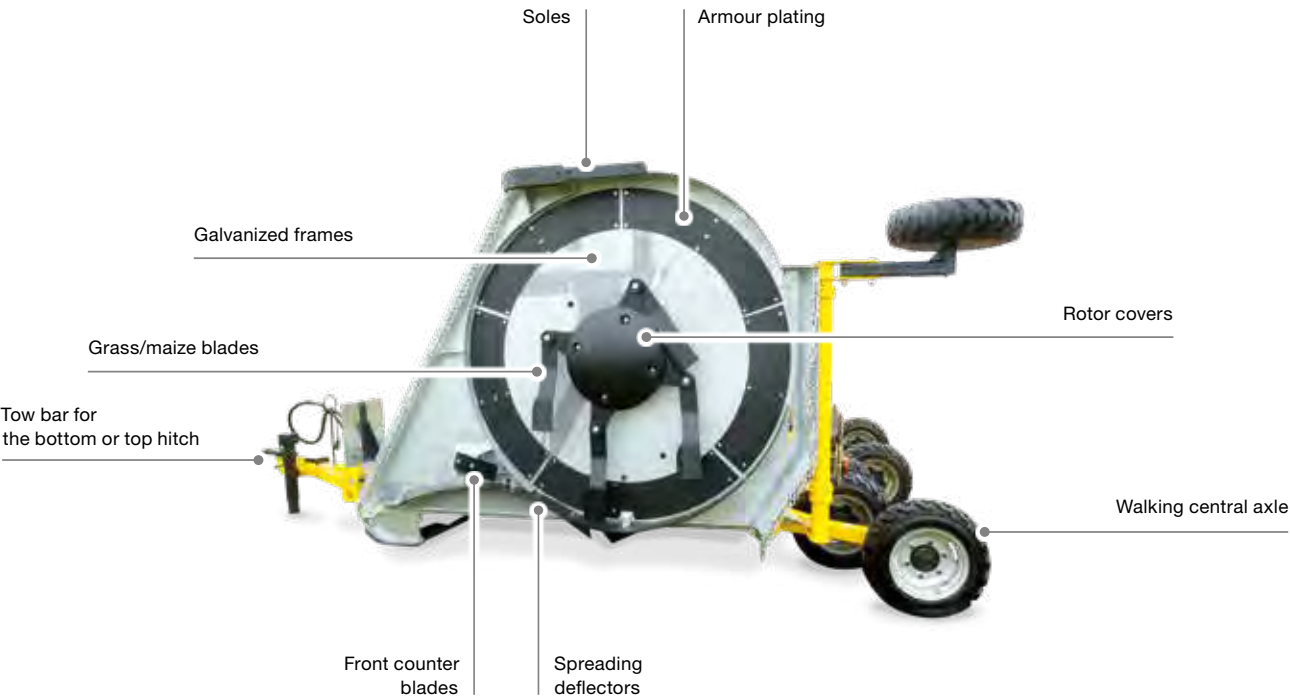
Volfířov, a. s. (a member of Agro 2000, s. r. o.)  
Volfířov (Czech Republic)  
1,330 ha  
MULCHER MZ 4500



MULCHER

Rotary Mulcher

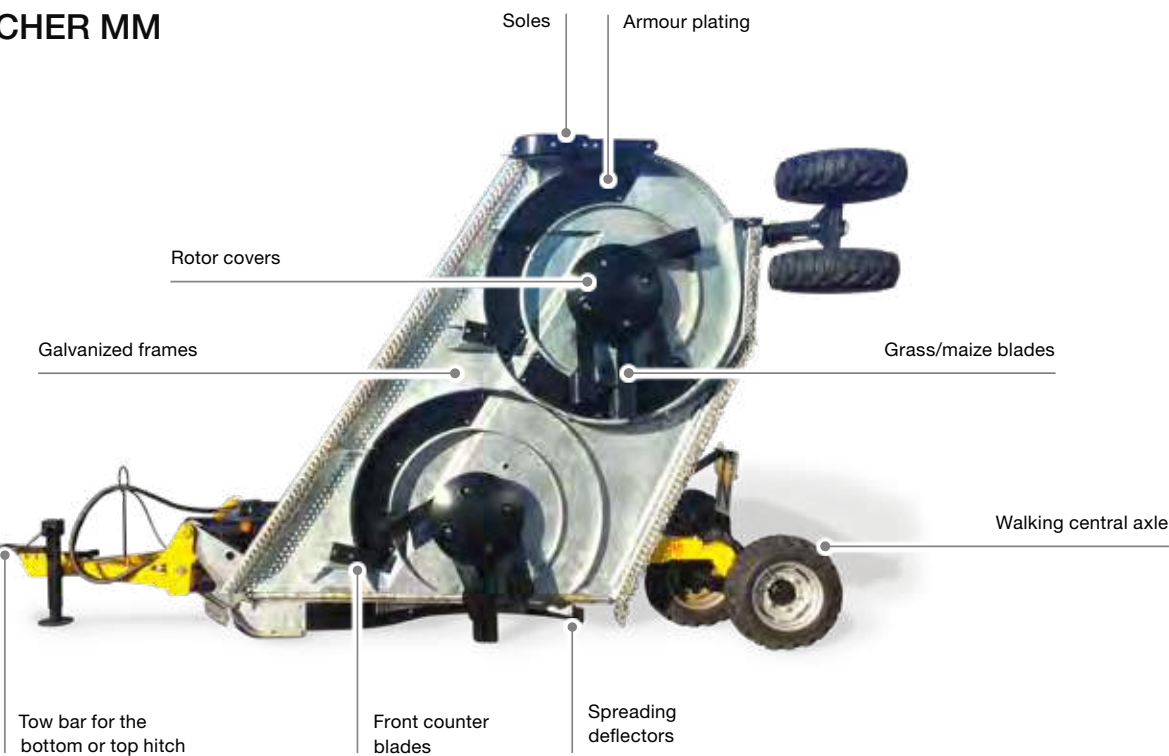
MULCHER MZ



MULCHER MO



MULCHER MM



MULCHER

|                            |       | MO 2500*** | MZ 4500   | MZ 6000 | MM 7000 |
|----------------------------|-------|------------|-----------|---------|---------|
| Working width              | m     | 2.25       | 4.5       | 5.9     | 7.1     |
| Transport width            | m     | 2.45       | 3         | 3       | 3       |
| Number of rotors           | pcs   | 1          | 3         | 3       | 5       |
| Number of blades per rotor | pcs   | 4          | 4         | 4       | 4       |
| Input speed                | 1/min | 540        | 540/1,000 | 1,000   | 1,000   |
| Total weight*              | kg    | 680        | 2,700     | 3,300   | 3,500   |
| Recommended output**       | HP    | 60–80      | 120–140   | 150–200 | 200–220 |

\* acc. to the equipment    \*\* depends on soil conditions    \*\*\* production on request, minimum order 10 pcs



PACKERS AND ROLLERS

| Typ                                   |    | SWIFTERDISC |      |    | ATLAS |          |      |          | SWIFTER |      |          |    |    | VERSATILL<br>VO_PROFI |
|---------------------------------------|----|-------------|------|----|-------|----------|------|----------|---------|------|----------|----|----|-----------------------|
|                                       |    | XN          | XO_F | XE | AN    | AO_PROFI | AO_L | AE_PROFI | SN      | SO_F | SO_PROFI | SE | SM |                       |
| Tube Packer                           | 1  | •           | •    | •  | •     | •        | •    |          |         |      |          |    |    | •                     |
| Steel Ring Packer                     | 2  | •           | •    | •  | •     | •        | •    |          |         |      |          |    |    |                       |
| Road Packer                           | 3  | •           | •    | •  | •     | •        | •    |          |         |      |          |    |    |                       |
| V-ring Packer 630 mm                  | 4  | •           | •    | •  | •     | •        | •    |          |         |      |          |    |    | •                     |
| V-ring Packer 800 mm                  | 5  |             |      |    |       |          |      |          |         |      |          |    |    |                       |
| Double V-Ring 630 mm                  | 6  |             |      |    |       | •        | •    | •        |         |      |          |    |    | •                     |
| U-ring Packer 500 mm                  | 7  | •*          |      |    | •*    |          |      |          |         |      |          |    |    |                       |
| Double U-ring Packer 600 mm           | 8  |             | •    | •  |       | •        | •    | •        |         |      |          |    |    | •                     |
| Single-row Slatted Roller             | 9  |             |      |    |       |          |      |          | •       |      |          |    |    |                       |
| Dual-row Slatted Roller               | 10 |             |      |    |       |          |      |          |         | •    | •        | •  | •  |                       |
| Single-row Crosskill Roller           | 11 |             |      |    |       |          |      |          | •       |      |          |    |    |                       |
| Dual-row Crosskill Roller             | 12 |             |      |    |       |          |      |          |         | •    | •        | •  | •  |                       |
| Single-row Crosskill Roller for Rocks | 13 |             |      |    |       |          |      |          | •       | •    | •        |    |    |                       |
| Dual-row Crosskill Roller for Rocks   | 14 |             |      |    |       |          |      |          |         | •    | •        | •  | •  |                       |
| Double Roller                         | 15 | •           | •    | •  | •     |          | •    |          |         |      |          |    |    | •                     |
| Tandem Spiky Roller                   | 16 |             |      |    |       |          |      |          |         |      |          |    |    |                       |
| Tandem Spiky Roller Sandy             | 17 |             |      |    |       |          |      |          |         |      |          |    |    |                       |
| Cutpack Packer                        | 18 |             |      |    |       | •        |      | •        |         |      |          |    |    |                       |
| Finish Crosskill Roller               | 19 |             |      |    |       |          |      |          |         |      | •        |    |    |                       |

\* weight 130 kg/m (including the scraper system), diameter 500 mm

| Typ                                   |    | FENIX |      | TERRALAND |          |    |    | TERRASTRIP |  |
|---------------------------------------|----|-------|------|-----------|----------|----|----|------------|--|
|                                       |    | FN_L  | FO_L | TN        | TN_PROFI | TO | DO | ZN         |  |
| Tube Packer                           | 1  | •     | •    |           |          |    |    |            |  |
| Steel Ring Packer                     | 2  | •     | •    |           |          |    |    |            |  |
| Road Packer                           | 3  |       |      |           |          |    |    |            |  |
| V-ring Packer 630 mm                  | 4  | •     | •    |           |          |    |    |            |  |
| V-ring Packer 800 mm                  | 5  |       |      |           |          |    |    |            |  |
| Double V-Ring 630 mm                  | 6  |       |      |           |          |    |    |            |  |
| U-ring Packer 500 mm                  | 7  | •*    |      |           |          |    |    |            |  |
| Double U-ring Packer 600 mm           | 8  |       | •    |           |          | •  |    |            |  |
| Single-row Slatted Roller             | 9  |       |      |           |          |    |    |            |  |
| Dual-row Slatted Roller               | 10 |       |      |           |          |    |    |            |  |
| Single-row Crosskill Roller           | 11 |       |      |           |          |    |    |            |  |
| Dual-row Crosskill Roller             | 12 |       |      |           |          |    |    |            |  |
| Single-row Crosskill Roller for Rocks | 13 |       |      |           |          |    |    |            |  |
| Dual-row Crosskill Roller for Rocks   | 14 |       |      |           |          |    |    |            |  |
| Double Roller                         | 15 |       |      |           |          |    |    |            |  |
| Tandem Spiky Roller                   | 16 |       |      | •         | •        | •  | •  | •          |  |
| Tandem Spiky Roller Sandy             | 17 |       |      | •         |          | •  | •  |            |  |
| Cutpack Packer                        | 18 |       |      |           |          | •  |    |            |  |
| Finish Crosskill Roller               | 19 |       |      |           |          |    |    |            |  |

\* weight 130 kg/m (including the scraper system), diameter 500 mm

Single-row Slatted Roller



A simple and cheap solution for spring cultivation of light soils.  
weight: 58 kg/m  
diameter: 370 mm

Dual-row Slatted Roller



Suitable for all-year intense cultivation of light soils.  
weight: 115/60 kg/m  
diameter: 370 mm / 270 mm (only for SM)

Tube Packer



A traditional packer with massive steel rods that provide standard crumbling effect.  
weight: 121 kg/m  
diameter: 635 mm

Steel Ring Packer



A packer with massive steel parts for superb compaction suitable for all soil types.  
weight: 202 kg/m (including the scraper system)  
diameter: 525 mm

Road Packer



A packer from hard natural rubber suitable for all soil conditions with very low tack.  
weight: 217 kg/m (including the scraper system)  
diameter: 590 mm

V-ring Packer 630 mm



A heavy steel packer for all soil types for intensive crumbling and compaction of the soil.  
weight: 169 kg/m (including the scraper system)  
diameter: 630 mm

V-ring Packer 800 mm



An ideal solution for crushing clods in dry to over-dry soils.  
weight: 210 kg/m  
diameter: 800 mm

Double V-Ring 630 mm



A dual-row heavy steel packer for all types of soil for intense crumbling and compaction of soil.  
weight: 162 kg/m  
diameter: 630 mm

U-ring Packer 500 mm



A steel packer for all soil types with quality crumbling and low stickiness thanks to the "U" rim profile.  
weight: 122 kg/m (including the scraper system)  
diameter: 500 mm

Double U-ring Packer 600 mm



A dual-row steel packer with self-cleaning effect, excellent crumbling and low tack thanks to the "U" rim profile.  
weight: 230 kg/m  
diameter: 600 mm

Single-row Crosskill Roller



Ideal for dry to over-dry soils with excellent clod crushing.  
weight: 123 kg/m  
diameter: 350 mm

Dual-row Crosskill Roller



Dual-row crosskill rollers with self-cleaning effect. An ideal solution of all types of soil for perfect crumbling and compaction.  
weight: 162/167 kg/m  
diameter: 350/440 mm

Single-row Crosskill Roller for Rocks



An ideal solution for crushing clods in dry to over-dry soils with a large occurrence of rocks.  
weight: 120 kg/m  
diameter: 350 mm

Dual-row Crosskill Roller for Rocks



An ideal solution for crushing clods in dry to over-dry soils with a large occurrence of rocks.  
weight: 160 kg/m  
diameter: 350 mm

Double Roller



An ideal roller for quality two-step cultivation of medium and light soils in drier conditions.  
weight: 132 kg/m  
diameter: 470+370 mm

Tandem Spiky Roller



For effective soil cultivation with a large ratio of crop residue after deep aeration with a chisel plough.  
weight: 157 kg/m  
diameter: 250 mm

Tandem Spiky Roller Sandy



For effective soil cultivation with a large ratio of crop residue after deep aeration with a chisel plough.  
weight: 180 kg/m  
diameter: 400+250 mm

Cutpack Packer



A heavy steel packer with high cutting capability suitable for heavy soils.  
weight: 222 kg/m (including the scraper system)  
diameter: 630 mm

Finish Crosskill Roller



An ideal roller for intensifying the crumbling effect of the crosskill rollers.  
weight: 132 kg/m  
diameter: 350 mm



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**BEDNAR**

**JOY** OF FARMING



# JOY OF FARMING



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