



For Earth, For Life
Kubota

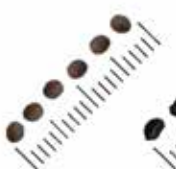
VP

**KUBOTA PRECISION DRILLS
VP1000 SERIES**

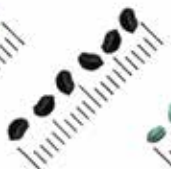
Precision drills for vegetables



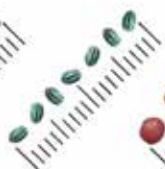
VERSATILE, PRECISE



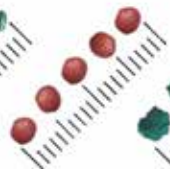
cabbage



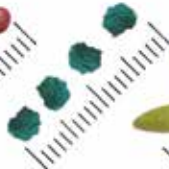
onion



carrot



radish



beet



cucumber



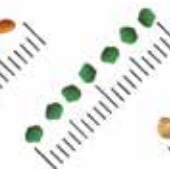
fennel



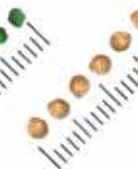
dill



chicory



field salad



coriander

, ECONOMIC!

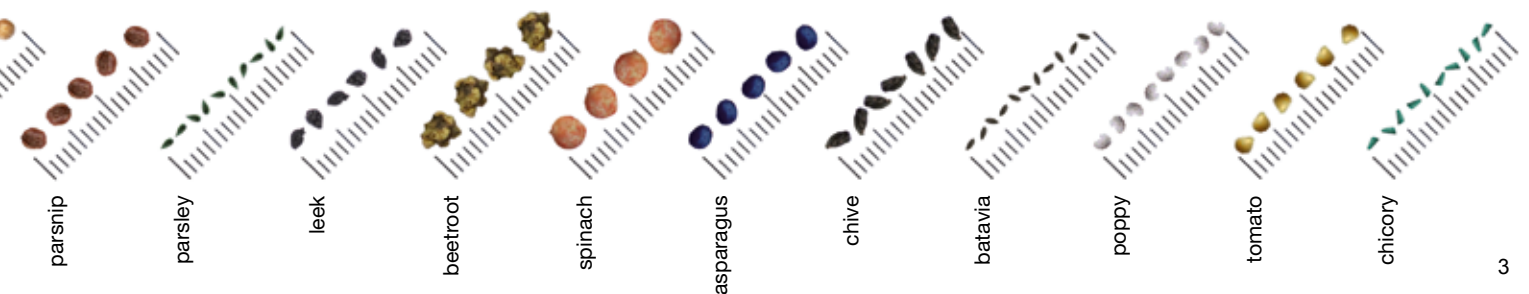


FROM THE SEED TO THE CARROT

The modern farmer is a producer of both raw materials and food. The key to economic success is growing fresh products that comply with the high quality standards. For the production of vegetables as the most important source of vitamins and nutrients in the human diet, this represents a huge challenge. Precise seed placement is the first, fundamental step on the way to producing top quality vegetable products.

As a competent partner in precision sowing Kubota delivers the technological know-how: the VP1000 Series! The particularly clear structure and the incorporated intelligent technology the machine is extremely user friendly and highly flexible, from setting to sowing.

The VP1000 Series guarantees customised precision sowing for all sorts of vegetable seeds and is thus the ultimate machine for vegetable producers.



THE FRAME CONCEPT – LIGHT



TWEIGHT AND YET STURDY!



The VP1000 Series is based on the familiar MP Series frame, available rigid or as a parallel hydraulic folding model, with working widths of 2 to 6.5m. The 7.00-12AS tyres are standard fittings and ensure low soil impact during sowing. The wheels are positioned behind the

toolbar in order to optimise weight distribution. They balance the machine, thus ensuring it remains exactly on track. The machine can be adjusted to a height of up to 34cm for field, bed or ridged cropping systems via the holes on an adjustment bar on the wheel suspension.

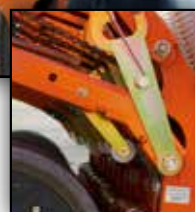
The standard gearbox is fitted with an automatic chain tension adjustment device and allows seed spacing of 0.9 – 43.4cm. The chain wheels can be changed without the need for tools.

PERFECT SOWING UNIT



A new lifting mechanism allows the sowing unit to be raised and locked in position for maintenance work or if the tank is to be emptied completely.

The sowing unit can be fitted with various different press wheels, so that it is possible to adjust it according to soil quality. There is also a long version of the tandem wagon, which can optionally be fitted with an intermediate press wheel and additional chain coverer.

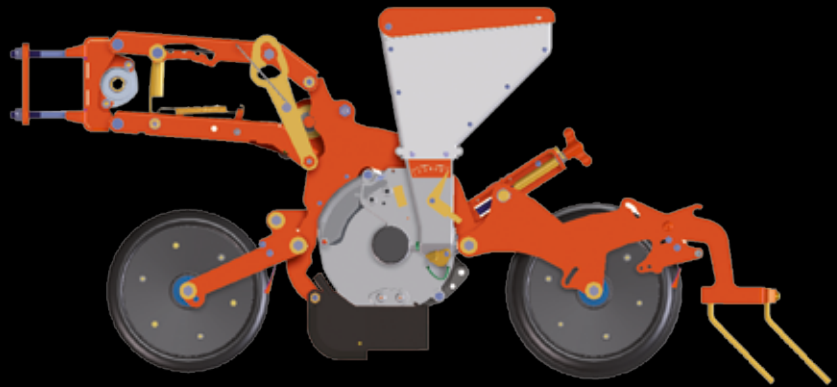
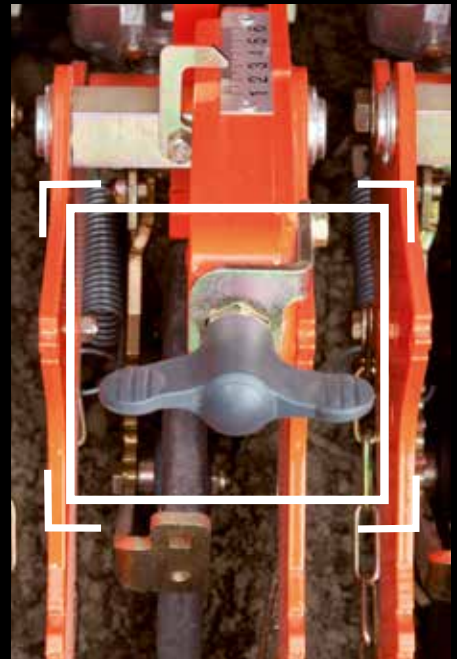


ITS



The sowing unit concept consists of a parallelogram-linked tandem wagon with a hitched sowing unit. The downward weight of the unit can be reduced or increased as required via a spring loaded suspension system.

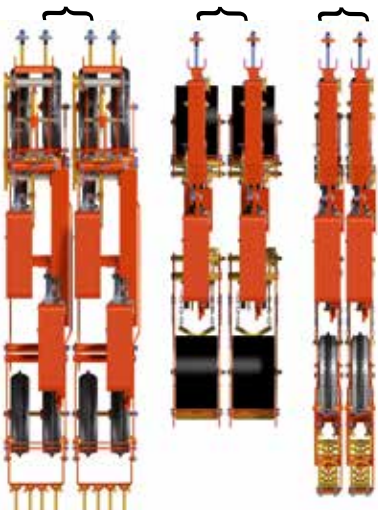
Linked front and rear press wheels ensure a consistent sowing depth. The sowing depth can be set quickly and easily via a spindle on the tandem wagon. Once the first row is set, a scale ensures the depth is applied to all rows. The individual sowing units are attached to the basic frame with a claw hitch. This allows the distance between rows to be set easily and individually to a minimum width of 11cm. Weighing just 28kg, the standard version of the single sowing unit puts the emphasis on manoeuvrability, whilst maximizing stability.



Double row
min. 24cm

Twin row
min. 21cm

Single row
min. 11cm



Double row



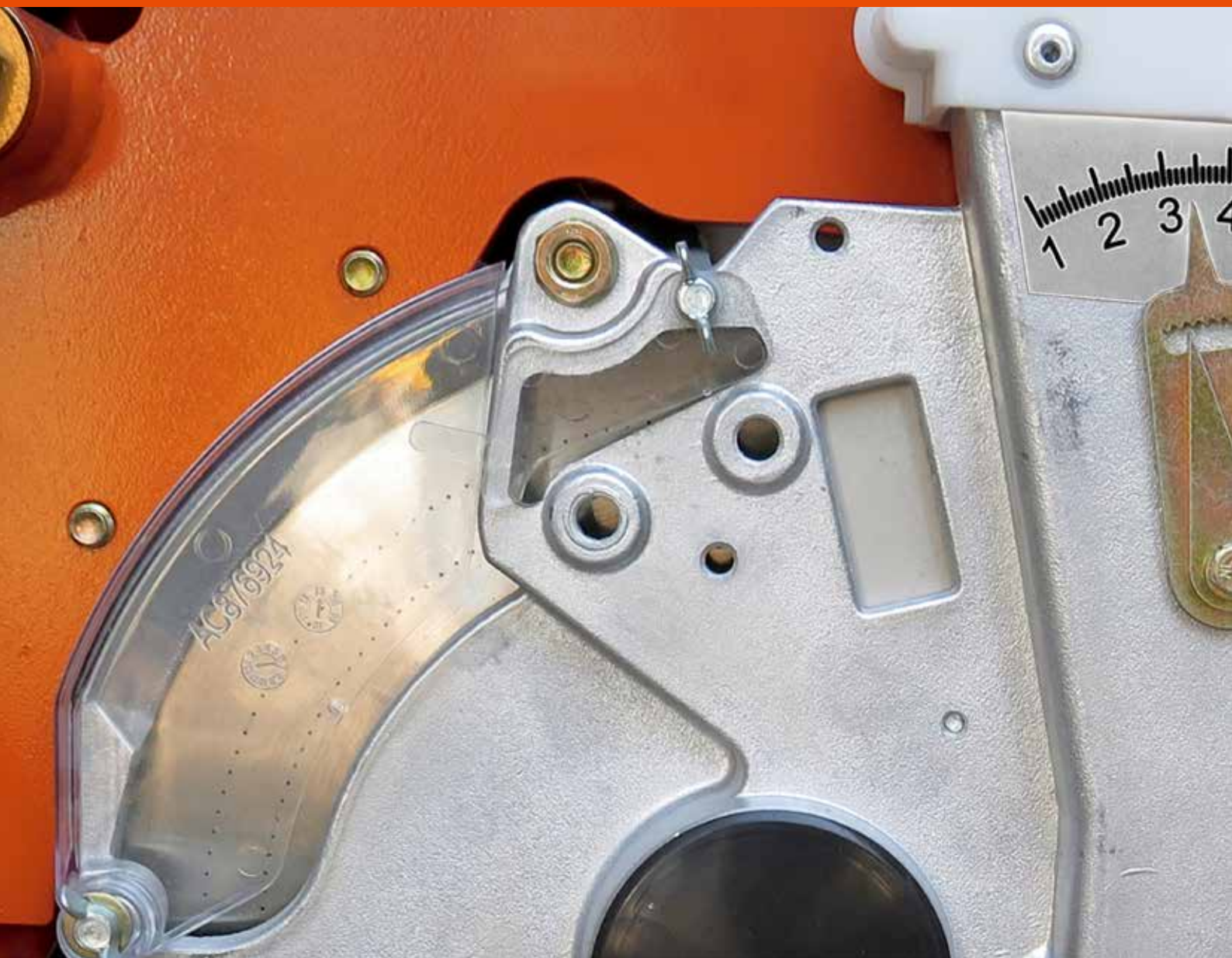
Single row



Twin row

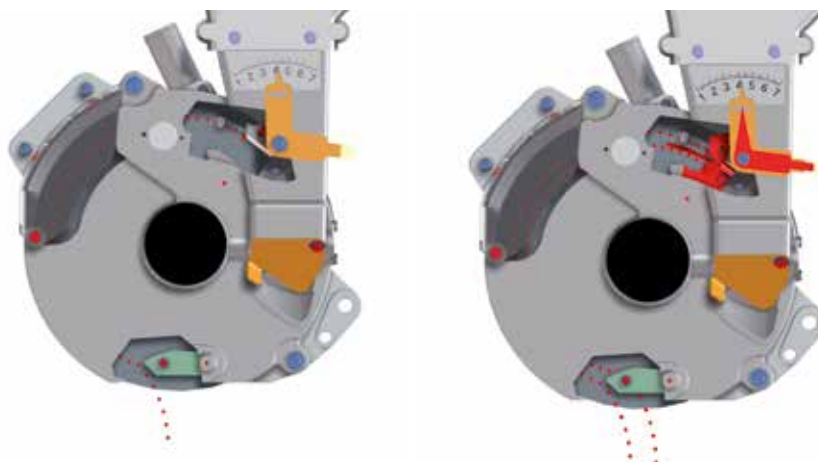


THE SEEDING HEART – TH



The seeding heart is made of cast aluminium and guarantees highly accurate seed placement thanks to its sophisticated technological design.

Individual seeds are sucked to the holes in the seed discs by a vacuum and proceed then via the rotating disc to the ejection area, where the vacuum is interrupted and the seed is placed precisely in the soil.



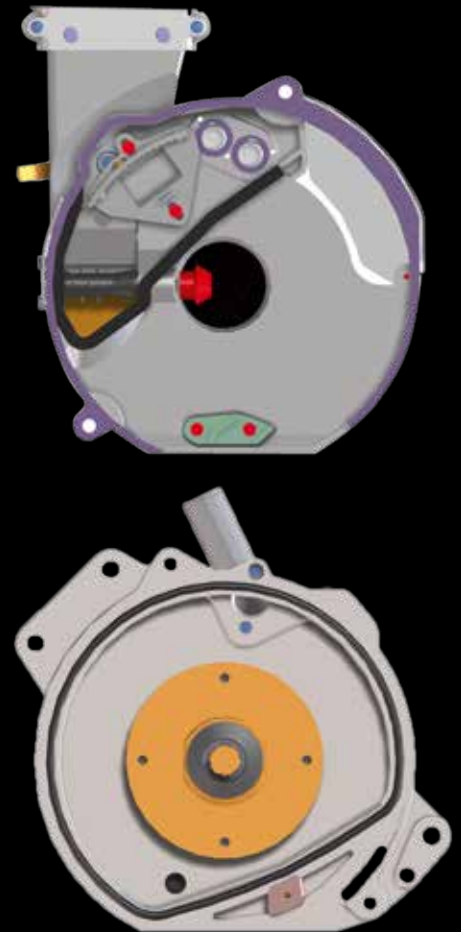
THE CORE OF THE MACHINE!



Surplus seed at the holes is removed with the help of adjustable singulators and returned to the seed flow. The feeding of seed from the 4 l plastic seed hopper is regulated with the help of a baffle plate, so that the flow of surplus seed back to the intake is guaranteed at all times. A rotary brush at the seed flow prevents blockages and bridging, ensuring a consistent supply of seed to the seed disc.

A small air jet clears the holes in the seed disc of any dust or seed residue to ensure perfect pick-up every time. The shape of the nozzle is patented. It is mounted on bellows and easy to change. The seeding heart is easy to open and can be fitted with all sorts of different seed discs. These can also be changed easily and without the need for tools thanks to the special seed disc mounting.

A flap on the hopper makes it easy to empty it entirely, if needed.



Alternatively, any leftover seeds can be removed by using the vacuum that is attached to the frame. The vacuum cleaner is also practical for cleaning and maintenance work.

SEED COULTERS FOR E



The standard and twin seed coulters are both fitted with a quick-fit share-point that can be changed easily in case of wear.

A wind flap at the end of the coulters ensures precise seed placement even in windy conditions. A micro-granule applicator is optional available.



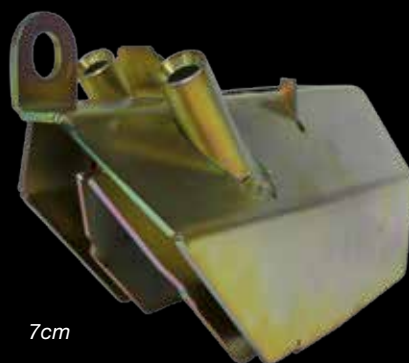
XACT PLACEMENT

When it comes to choosing a seed coultter, there are various interesting options. It is for example possible to choose between the standard coultter for normal placement, a band coultter for wide placement, and a sickle-shaped coultter for deep placement.

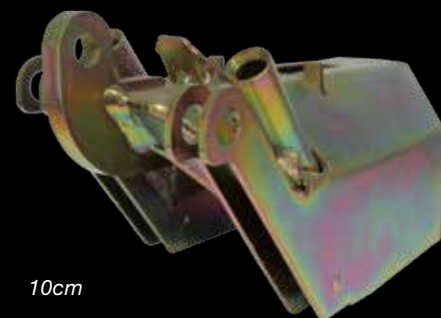
Special is the twin coultter. In this case the standard seed coultter comes in two sections that make it possible to plant two rows of seed using one seeding heart.

This twin seed coultter is available in 7cm and 10cm widths, with a minimum distance between rows of 21cm.

The "two-lane" seed disc staggers the placement of the seed, thus optimizing the spatial distribution of individual plants in order to make best use of nutrients, light and water.



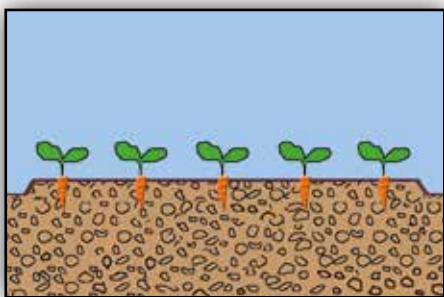
7cm



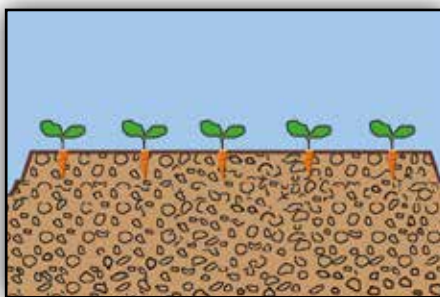
10cm



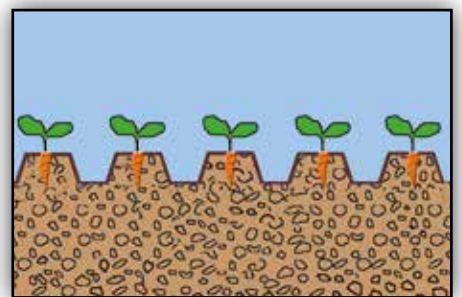
THE PROFESSIONAL FOR ALL



Sowing on flat ground



Sowing on beds



Sowing on ridges

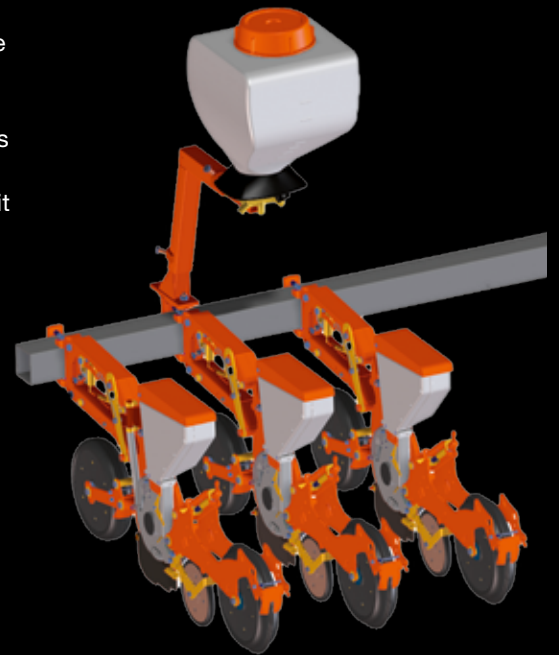
VEGETABLE GROWERS!

The VP1000 Series combines functional design with precision and productivity. Exact seed placement, and easy handling. That saves time and guarantees success.
By professionals for professionals!



Micro-granule applicator

The VP1000 Series can be equipped with micro-granule applicator. The hoppers, made from special grade plastics, have a capacity of 35 litres. The hoppers are mounted according to the working width with 2 or 3 outlets per unit. Metering wheels of different sizes and materials are available to suit the application requirements of most types of micro-granule.



Sowing on flat ground

Sowing on beds

Ridge sowing is mainly done on soil which tends to stagnant water. Especially with light-coloured and humid soil, it results in a quicker warming in spring. The roots reach deeper soil layers faster. By creating the ridges, the field is divided into crests and furrows. In the ridge furrows there is the option to grow underseed.



EQUIPMENT

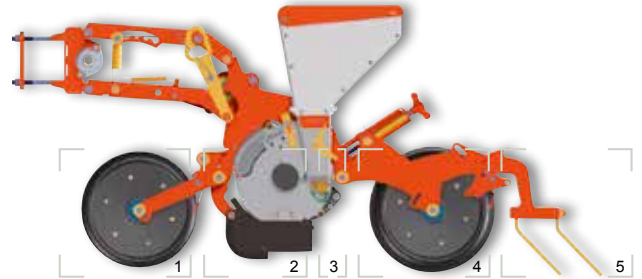
Single sowing unit

Standard fittings:

1. Farmflex press wheel smooth 280 mm
2. Standard seed coulter
4. Farmflex press wheel with bead ring
5. Tine coverer

Optional fittings:

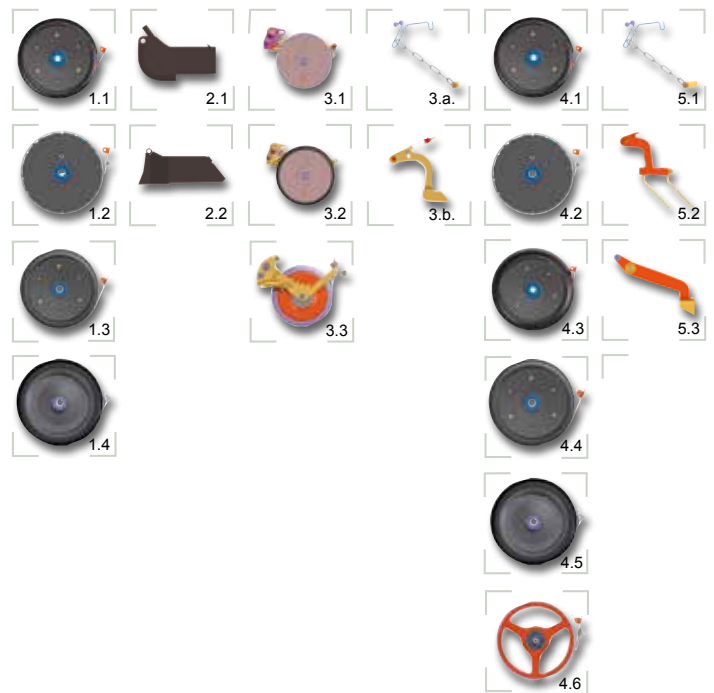
3. Chain coverer



Different models:

- 1.1 Farmflex press wheel smooth 280mm
- 1.2 Press wheel, stainless steel
- 1.3 Farmflex flat wheel 280x60mm
- 1.4 Farmflex smooth 300x100mm
- 2.1 Standard seed coulter
- 2.2 Band sowing coulter 65mm
- 3.1 Intermediate press wheel, stain steel
- 3.2 Intermediate press wheel, rubber
- 3.3 Cast iron with stainless steel ring
 - 3.a. With chain coverer
 - 3.b. Adjustable coverer

- 4.1 Farmflex press wheel smooth 280mm
- 4.2 Press wheel, stainless steel smooth
- 4.3 Farmflex press wheel with bead ring
- 4.4 Farmflex flat wheel 280x60mm
- 4.5 Farmflex smooth 300x100mm
- 4.6 Cage wheel 280x65mm
- 5.1 With trailed rear coverer
- 5.2 Tine chain
- 5.3 Adjustable coverer



Double sowing unit

Standard fittings:

1. Farmflex press wheel smooth 280 mm
2. Standard seed coulter
4. Farmflex press wheel with bead ring
5. Tine coverer

Optional fittings:

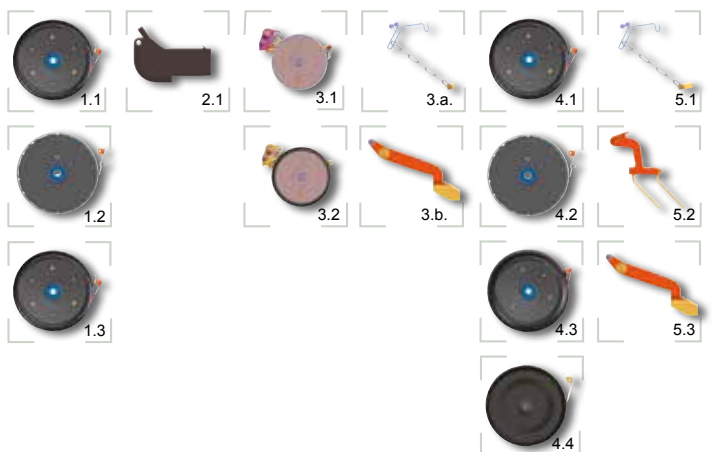
3. Intermediate press wheel with chain coverer



Different models:

- 1.1 Farmflex press wheel smooth 280 mm
- 1.2 Press wheel, stainless steel
- 1.3 Flat wide farmflex press wheel, 250 x 140mm
- 2.1 Standard seed coulter
- 3.1 Intermediate press wheel, stain steel
- 3.2 Intermediate press wheel, rubber
 - 3.a. With chain coverer
 - 3.b. Adjustable coverer

- 4.1 Farmflex press wheel smooth 280 mm
- 4.2 Press wheel, stainless steel smooth
- 4.3 Farmflex press wheel with bead ring
- 4.4 Smooth rubber press wheel
- 5.1 With trailed rear coverer
- 5.2 Tine chain
- 5.3 Adjustable coverer
- 5.4 Crumbler



TECHNICAL SPECIFICATIONS

VP1000 Series	VP1200	VP1250	VP1300	VP1350	VP1400	VP1450	VP1500	VP1600	VP1650	VP1600F
Weight of frame (kg)	345	355	360	380	655	665	670	680	740	970
Working width (m)	2.00	2.50	3.00	3.50	4.00	4.50	5.00	6.00	6.50	6.00
Drive 540 rpm	•	•	•	•	•	•	•	•	•	•
Hydraulic fan drive	◦	◦	◦	◦	◦	◦	◦	◦	◦	◦
Tyres 7.00-12 AS; 2.0 bar	•	•	•	•	•	•	•	•	•	•
Standard gearbox Various chainwheels for additional sowing distances	• ◦	• ◦	• ◦	• ◦	• ◦	• ◦	• ◦	• ◦	• ◦	• ◦
Track marker, manually operated Single/double acting Trackmarker Hydr. folding Trackmarker	◦ ◦ -	◦ ◦ -	◦ ◦ -	- ◦ -	- - ◦	- - ◦	- - ◦	- - ◦	- - ◦	- - ◦
Microgranular applicator Vacuum emptying device Lighting bracket	◦ ◦ ◦	◦ ◦ ◦	◦ ◦ ◦	◦ ◦ ◦	◦ ◦ ◦	◦ ◦ ◦	◦ ◦ ◦	◦ ◦ ◦	◦ ◦ ◦	◦ ◦ ◦
Support legs	•	•	•	•	•	•	•	•	•	•
Hectaremeter, mechanical	◦	◦	◦	◦	◦	◦	◦	◦	◦	◦
Number of rows, max. (single sowing unit)	10	14	19	23	28	32	32	32	32	32
Frame	rigid	rigid	rigid	rigid	rigid	rigid	rigid	rigid	rigid	fold

VP1000 Series Sowing Unit (without seed disc)	Single sowing unit	Twin sowing unit	Double sowing unit
Parallelogram hitch with integrated chain drive	•	•	•
Sickle-shaped coulter with quick-locking mechanism Band sowing coulter Twin coulter 7 cm width Twin coulter 10 cm width	• ◦ - -	• ◦ • ◦	• - - -
Intermediate press wheel, rubber Intermediate press wheel, stain steel	◦ ◦	◦ ◦	◦ ◦
Farmflex press wheel with bead ring Various press wheels Various seed discs	• ◦ ◦	- ◦ ◦	• ◦ ◦
Row width cm Row width within double sowing unit cm	11 -	20 -	24 5 - 11
Various coverers	•	•	•
Single hopper, volume (l)	4	4	4
Weight of sowing unit (kg)	28	40	54
<ul style="list-style-type: none"> • Standard equipment ◦ Accessories - Not available for this model 			

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purpose only. Some of the items pictured in this brochure are optional and not standard equipment. Please consult your local Kubota dealer for warranty, safety or product information. For your safety, Kubota strongly recommend the use of a seat belt in all applications.

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