

COMBINATION DRILLS

Junkkari



**SIMULTA**



**Extensive array of equipment**  
**Strong structure**  
**Spacious hoppers**  
**Finnish product**



LIFTING DEVICE MODELS 2500/3000 NL

# Junkkari SIMULTA

◆ Simulta has been the sower's friend for over four decades now. Our current combination drill range includes three high-performance base machines and their variations. Simulta can also be equipped with versatile accessories, which makes working even more accurate, faster and productive. Simulta retains its value - it is always a safe choice.

## Simulta lifting device models 2500 NL and 3000 NL

◆ The Simulta NL is attached to a lifting device, and is an inexpensive and good choice for farms that have a relatively small yearly sowing area, or whose field shape is not suitable for the use of other types of machines.

Simulta NL is always equipped for demanding usage: It has bottom cones in both hoppers, a mixing axle in the seed hopper, fertiliser and seed amount indicators, rotation test equipment, a mechanical surface area metre, anodised aluminium covers, a sturdy platform and equipment for road travel. As an accessory, you can obtain, for



example, additional higher sides, a small seed device and row packer wheels.

*The aluminium covers stay clean. The fertiliser sieves are standard equipment.*



*Seed rate adjustment wheels.*



*Seed hopper bottom cones, mixing axle and level sensor.*





LIGHT-TOWED 2500 KH  
**Junkkari** ◆◆◆  
**SIMULTA**



**Light-towed Simulta 2500 KH**

The light-towed Simulta KH is a great solution when you want to keep your larger tractor pulling the harrow at all times. You can pull the KH well with a 45 kW (ca. 60 hp) tractor.

The large 400x15.5 tyres with an ELS pattern will also support the combination drill on soft land. You can also have 320/70R20 tyres with a tractor pattern as an accessory.

The higher sides increase the effective working time and improve the seeding result.

The capacities of the seed/fertiliser hoppers are 627/837 litres.

*As an accessory, you can obtain, for example, a fertiliser disc coulters (top) and a track packer (above) to make the range of equipment of the NL and KH models even more extensive.*

*The KH model also has additional higher sides as standard equipment (above).*



#### Simulta 3000 T and 3000 ST

◆ Trailed seed drills have quickly become more popular. They offer many benefits compared to the traditional towed machines. It is easier to seed right up to the edge of the field with a trailed seed drill, in which the machine is narrower and safer in traffic. The drill also has reflectors and lights installed according to legislations.



#### A front leveller as standard equipments of the ST model

◆ The largest Simulta has a front leveller and fertiliser disc coulters as standard equipment. You can install a preconditioner onto the front of the leveller.

The ST model can be used as a combination drill via the minimum tillage method.

When working with certain soil types, under good conditions, seeding and fertilising can be carried out directly on the ploughed soil.

#### Adjustable and spacious hoppers

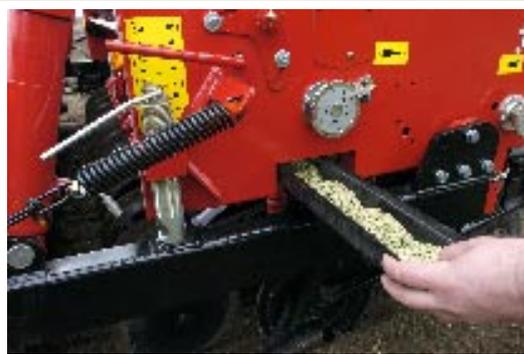
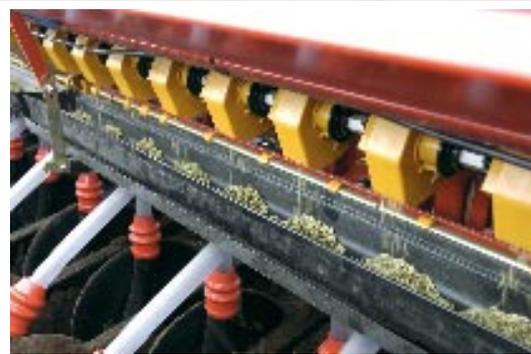
◆ The hoppers of the trailed seed drills are large, and their relative capacities can be changed according to the fertilising needs of the farm by adjusting the inner wall. The tarp lid fully opens up. The hopper filling openings are under the same lid. It is easy to fill the hoppers from a large sack or silo and with a filling screw.





TRAILED SEED DRILLS 3000 T/ST

# Junkkari SIMULTA



### Two-part bogie wheels

◆ The bogie wheels behind the machine function as support wheels and track packers

Its two side-by-side units move independently. The bogie follows the surface of the field, and the wheels pack the seed track evenly. In the Simulta T and ST models, the tractor pattern keeps the tyre much cleaner. Its functioning is similar to a clod crusher, which minimises crust formation. The wheels turn independently and, therefore, the soil does not move and the seeded track remains intact.

### Spiral groove feed

◆ Studies show that Simulta is accurate. All of the Simulta combination drills have an easy-to-use spiral groove feed in the seed and fertiliser hoppers and in the small seed device.

*The rotation test is easy to perform. The feed is adjusted by changing the effective length of the groove with the wheel. The seed side troughs are easy to remove from the end.*



The seed hopper has mixing axles. The triangular bottom cones ensure that the hoppers empty evenly, even when you are seeding small seeds, such as rapeseed.

The speed of the feed axle is decreased for seeding small seeds by turning the chain cassette.

### Simulta is easy to use

◆ Simulta is easy to adjust and maintain. The parts that require maintenance are few and easily reached.

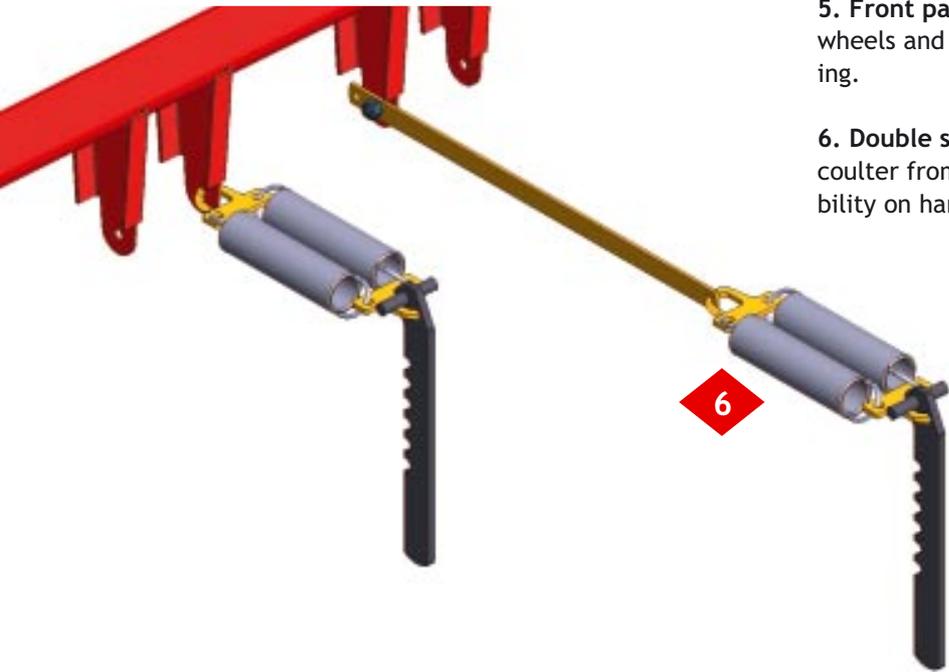


# OPTIONS FOR THE T AND ST MODELS

- 1. **Small seed device.** A separate 290 litre hopper for seeding small seeds. Tarp lid.
- 2. **Starter equipment.** Optional equipment for the small seed device to lead the starter fertiliser through the seed tank feeding containers to the seed line.
- 3. **Wizard Plus.** Electronic remote control for the fertiliser.
- 4. **Hydraulic track marker** to mark the next driving line. Controlled by the Wizard control unit.



- 5. **Front packer.** Packs the seeding surface between the wheels and increases stability and dexterity while seeding.
- 6. **Double springs.** Increases the pressure of the seed coulters from 20 kg to 34 kg, which improves the penetrability on hard and light-conditioned soils.



# JUNKKARI COULTERS



**1. The wedged disc coulters,** which is the seed coulters in all the machines. Keeps a good seeding depth, even under changing conditions. The rotating disc prevents the coulters from blocking. The side plate is easy to change.

**2. S-spike fertiliser coulters with an adjustable tip.** Standard equipment in the NL, KH and T models. The thin adjustable tip penetrates the soil rather well. By using the correct working angle, raw soil is not lifted to the surface. The spur prevents the coulters from blocking. Available with a hard faced tip for wearing soils.

**3. Fertiliser disc coulters.** Standard equipment in the ST models, which are also suitable for the NL, KH and T models. Good penetrability. The rotating disc does not gather straws or surface soil. Cuts the plant remains without blocking.

**4. Monolink fertiliser coulters.** Suitable for all T and ST models, but not suitable for the KH and NL models. Made for rocky and wearing conditions.

# MORE FUNCTIONS AT YOUR FINGERTIPS

◆ The T and ST models have a Wizard control unit as standard equipment.

The wizard monitors the surface area (total area and trip metre) and driving speed. It also has a fertiliser and seed hopper level sensor and a metering shaft sensor for the fertiliser axle.

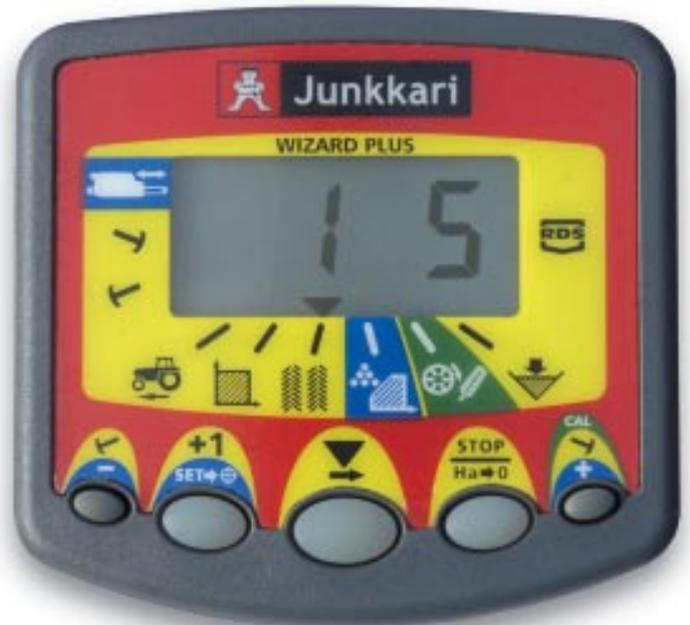


The Wizard of the ST model has a track marker and a metering shaft sensor for the seed axle as standard equipment.

These functions are also available for the T model Wizard as an accessory.

You can also obtain the Wizard Plus, which includes all the Wizard functions and a fertiliser remote control (the chosen kg amount can be seen on the screen).

The Profi controller is a key to precision seeding. It enables you to spread an accurate amount of fertiliser according to a fertiliser map that is divided into areas.



Carry the fertilising plan in your pocket.



# Junkkari SIMULTA

TECHNICAL DATA	2500 NL	3000 NL	2500 KH	3000 T	3000 ST
Working width	250 cm	300 cm	250 cm	300 cm	300 cm
Row distance, seed	12.5 cm	12.5 cm	12.5 cm	12.5 cm	12.5 cm
Row distance, fertiliser	25 cm	25 cm	25 cm	25 cm	25 cm
Hopper capacity					
- Min. fertiliser capacity	-	-	-	1 104 l	0
- Max. fertiliser capacity (with additional sides)	607(837) l	728 l	837 l	1 620 l	2 580 l
- Min. seed capacity	-	-	-	1 068 l	1 593 l
- Max. seed capacity (with additional sides)	412 (627) l	495 l	627 l	1 584 l	3 390 l
Loading height	1.2 m	1.2 m	1.39 m	1.5 m	1.75 m
Tyres	11.5/80-15.3	11.5/80-15.3	400x15.5ELS 7.00x12		7.5x16
Weight when empty	686 kg	830 kg	750 kg	2 200 kg	2 950 kg
Total width	3.38 m	3.88 m	3.58 m	3.34 m	3.34 m
<b>EQUIPMENT</b>					
Area metre, mechanical	S	S	S	-	-
Hopper level sensors	S	S	S	-	-
Wizard control unit with:					
- Area metre	-	-	-	S	S
- Speedometer	-	-	-	S	S
- Hopper level sensors	-	-	-	S	S
- Track marker	-	-	-	0	S
- Metering shaft sensor, fertiliser	-	-	-	S	S
- Metering shaft sensor, seed	-	-	-	0	S
Fertiliser sieves	S	S	S	S	S
Seed side mixing axle	S	S	S	S	S
Platform on the back	S	S	S	S	S
Platform on the front	-	-	-	0*	S
Following harrow	0	0	0	S	S
Lights and/or reflectors	S	S	S	S	S
Self-opening top cover	-	-	-	-	S
Small seed device	0	0	0	0	0
Starter equipment	0	0	0	0	0
Seed dressing device	0	0	0	0	0
Track marker	-	-	-	0	0
Track packer, plastic	0	0	0	-	-
Track packer, rubber	0	0	0	-	-
Double springs	0	0	0	0	0
Front lift cylinder	-	-	-	0	0
Mechanical remote control for the fertiliser	0	0	0	0	0
Sieves for the seed hopper	0	0	0	0	0
Front leveller	-	-	-	0	S
S-spike field drag, 1 row**	-	-	-	0	0
S-spike field drag, 2 row**	-	-	-	0	0
Packer with 7*12" tyres	-	-	-	0	0
Packer with 10.5*15" tyres	-	-	-	0	0
3 point draw bar	-	-	0	0	-
Aluminium feeding grooves	0	0	0	0	0

\*) With front leveller, \*\*) Requires a front leveller, S = Standard equipment, 0 = Option, - = Not available for the model

## Partnership between professionals



For over five decades now, Junkkari has been known as the brand that you can trust. Today, Junkkari Oy is one of the largest agriculture and forestry machine manufacturers in Finland, and is a part of the MSK Group.

This earned trust has come from our determined work in developing our products as well as intently listening to our customers. Our success also results from your success. We shall continue with these same principles in the coming decades.



Manufacture

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