

YOUR
FUTURE COMPANION
IN CARBON FARMING



TUME

FARM MACHINERY



WWW.TUME-AGRI.FI



The mission of Tume Agri is to produce high quality agricultural machinery for farmers to make the work more profitable.

The needs in agriculture are changing.

Tume responds by keeping the pace with technological developments, still respecting traditional values.



NEXT GENERATION TECHNOLOGY OF SEED DRILLING
Super Nova Combi has an easy-to-use ISOBUS interface. Seed drill can be connected to ISOBUS compatible tractor and used with tractor's own terminal. Feeding units are operated by four electric motors: 2 for the fertilizer and 2 for the seeds. This allows machine to be halved freely from left or right side. Both the seed and fertilizer seeding amounts can be adjusted stepless during seeding. Machine control meets the current and future needs including precision farming.



AWARD-WINNING HARROW T
Tume Harrow series was awarded as a Newcomer at KoneAgria fair in 2021! The Tume Harrow series is a completely new Finnish harrow collection. The jury particularly emphasized the new T-model, which acts as both a cultivator and a seed drill, so that a light tillage farmer needs only one machine instead of two.

Sowing

- SUPER NOVA COMBI**
- NOVA COMBI**
- TITAN**
- JC**
- CK**
- VIRGO**
- KL**
- HKL**
- GREENMASTER**

Cultivating

- CULTIPACK**
- CULTIPLUS**
- HARROW SERIES**
 - HARROW D**
 - HARROW R**
 - HARROW T**

ONLINE
www.tumeagri.fi



No sowing, no food!

Dear reader

The Tume catalog in your hands presents the entire Tume-Agri Oy's current Product range.

Tume-Agri Oy has a long history and over the years the represented product range has been exceptionally wide. In our strategy for the future, we want to focus on only two product groups that support each other.

SOWING:

Despite the extensive product range, Tume's products are especially known for machines related to sowing. The role of various seed and fertilizer drills in the development of world agriculture and food production has been revolutionary. These machines also continue to represent Tume-Agri's most important product group. There are still a very significant number of different machine models suitable for sowing.

CULTIVATING:

The second best-known product group in Tume's history includes various cultivators. Shovel roll cultivating in particular is a method that has a very long history in Finland through the Hankmo brand. One must wonder the rarity of that method by international standards, because there are so many good elements in it that are suitable for today's intensive agriculture.

Tume-Agri has boldly set out to renew its traditional shovel roll production towards the international market. At the same time, we have courage to introduce new products that are particularly well-suited to carbon farming in the future.

TUME - A RELIABLE PRODUCER FOR OVER 70 YEARS

During its long history, Tume-Agri Oy has become known as a reliable partner for our personnel, partners and customers. This credibility springs to us Tumeans from our values, which I want to introduce to you next.

TEAM SPIRIT AND AMBITION

In order to remain a major player, we are constantly facing new challenges. In front of these challenges, us Tumeans must work humbly and relentlessly at all times, while maintaining ambitious goals.

TRANSPARENCY AND STRAIGHTFORWARDNESS

We want to say things as they are. To keep it simple what we promise we also keep.

CUSTOMER APPRECIATION AND UNDERSTANDING

Tume machines are manufactured for the customer's use. Our operations are based on customer satisfaction!



TUME - IN THE FUTURE

In the future Tume-Agri Oy wants to develop into an increasingly significant and versatile sowing and cultivating professional. Development means constant investment and challenges, but above all, it requires enduring the base of the company's values. With Tume's long history, we know our values are sustainable!

Although agriculture has developed enormously over the years due to the efficiency of machinery, there is still a huge number of agricultural areas on the planet where the machinery stock does not even exist.

At the same time, the world's population is growing. At the time of writing, we are living in an exceptional situation around the world. The global Corona pandemic has shaped our lives for more than two years and Europe is currently experiencing the most serious state of war in decades, causing global threats. As a result, the importance of food production will only increase in the future. There is no food without sowing!

We at Tume want to be your partner in the food production of the future!

Good luck with your sowing!

Jorma Lähetkangas
Managing Director
Tume-Agri Oy



Super Nova Combi

Completely reliable, easily controlled and saves on fertilizer costs

The Tume Super Nova Combi is a multipurpose seed and fertilizer drill for all cultivation methods and soil types. The machine is suitable for direct seed sowing, minimum tillage and traditional seed sowing.

The Super Nova Combi brings farming into the next generation, with its ISOBUS compatibility. Super Nova Combi can be used also with tractors that don't have ISOBUS.

Seed and fertilizer are fed by electric motors, and the machine can be halved on both the right and left side. The size of the hoppers has also been increased: On a 4 m machine, the volume is already over 5.5 m³.

Both the seed and fertilizer seeding amounts can be adjusted stepless during seeding. Machine control meets the current and future needs including precision farming.

Super Nova Combi is safe to use – it has good platforms, stairs and rails. Spacious construction makes maintenance easier. The machine's coulters penetration and debris – proofness are in a class of their own: The coulters and rear wheels on this machine are staggered in the driving direction.

Super Nova Combi is also known for its front wheels. One front wheel guides only two coulters. This allows for significant vertical irregularities in the field while keeping the sowing depth correct. The front wheel presses the straw down before sowing and the wheel reacts by raising the coulters when obstacles are encountered. Sowing depth/germination is not affected by the hopper fill level or driving speed.



In Tume rear wheel seed drills the transport wheel is always located so that it works as a compaction wheel at the same time. This enables spacious and simple coulters structure. By this solution we can guarantee at least 40 kg compaction weight on each seed row even in direct seeding and with maximum coulters pressure. This is more than what most of the others can offer with a separate closing wheel solution.



SAVINGS ON ALL COSTS

- Low tractive resistance – easy to pull, even with tractors under 90 hp: significant fuel savings.
- Considerable fertilizer savings in fertilizer application.
- The machine detects cornering: more seed/fertilizer applied to the outside than the inside of the turn.

CONSISTENTLY ACCURATE SEED SOWING DEPTH

- Field surface variations (ruts, furrows, etc.) do not affect seed sowing depth in the direction of travel or laterally.
- Hopper fill level does not impact seed sowing depth.
- Driving speed does not impact seed sowing depth.

EASY TO ADJUST AND USE

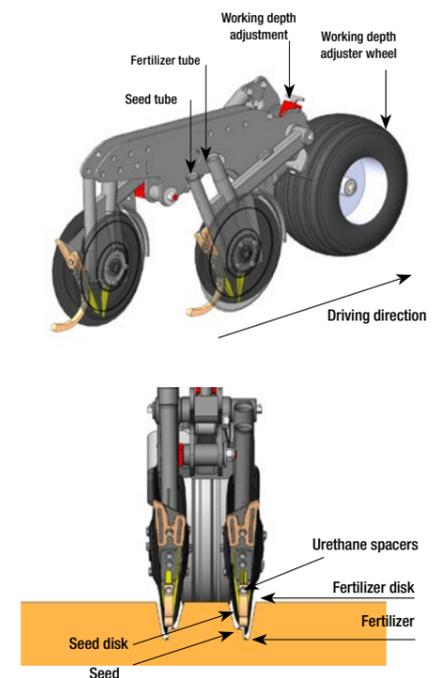
- Working depth is easy to adjust in front of the coulters pair.
- ISOBUS-compatible, if desired.
- Easy and safe to use and maintain – proper platforms, stairs and rails.
- Hoppers very easily discharged from the ends (e.g. into FIBCs)

ROBUST, DEBRIS-PROOF COULTERS

- Sturdy coulters arms.
- Coulters weighting can be adjusted while running. Maximum weighting 200 kg/coulters

	SNC 3000	SNC 4000
Working width, cm	300	400
Hopper capacity, l	4000	5500
Weight, kg	4100	5150
Tractive power requirement hp/kw	90/66	120/88
Dual-disc coulters	18 pcs Ø 360/400 mm	24 pcs Ø 360/400 mm
- Pressure range, kg	40-200	40-200
- Runtime pressure adjustment	Standard	Standard
Fertilizer/seed feeder	fluted rollers/pins	fluted rollers/pins
- Bottom valves	adjustable, spring-loaded	adjustable, spring-loaded
- Feeder usage	electric motors, 4 pcs	electric motors, 4 pcs
Number of working depth adjustment wheels	9	12
- Tire size	18,5 x 8,50 - 8 AW	18,5 x 8,50 - 8 AW
Number of support wheels	9, adaptive structure	12, adaptive structure
- Tire size	280/70-18"	280/70-18"

SUPER NOVA COMBI COULTER UNIT



STANDARD EQUIPMENT

ISOBUS computer // Step plates front and back // Small seed sowing equipment // Combination drawbar for Super Nova Combi + drawbar hydraulics // Rear harrow // Fertilizer and seed screens // Self-retracting tarp cover // Adjustable hopper partition // Calibration test equipment for fertilizer/seed // Lighting equipment

ADDITIONAL EQUIPMENT

Hydraulic markers // CultiPack disc harrow // Middle wheel packer // Grass seed unit // Agitators for fertilizer and seed // Levelling board // ISOBUS-screen



Nova Combi

Reliable and easy to use

Nova Combi is a multipurpose seed and fertilizer drill for all cultivation methods and soil types. The machine is suitable for direct seed sowing, minimum harrowing and traditional seed sowing. Known for its seed sowing accuracy and efficiency, Nova Combi has enjoyed success in tests and competitions around the world.

Nova Combi features one of the only seed and fertilizer drill with a wheel in front of the coulters. The wheel adjusts and maintains seed sowing depth, enabling more even sprouting. Harrowing depth changes have no impact on seed sowing depth.

In Nova Combi, both the seeds and the fertilizer are fed into the same dual disk coulters and then slightly separated from each other within the coulters. This reduces the risk of phytotoxicity.

Support wheel set is very spacious, it follows the shape of the field surface and rolls it with even pressure. It conforms to the field surface by hydraulic pressure and closes the seed furrow precisely, because each support wheel works as a closing wheel at the same time. Nova Combi 3000 has 6-wheel pairs and NC 4000 has 8-wheel pairs.



SAVINGS IN ALL AREAS

- Small tractive resistance; easy to pull even with engine power below 90hp. Significant savings in tractor and fuel costs.
- Significant savings in fertilizer application.

STURDY, DEBRIS-PROOF COULTER

- Sturdy coulters arms
- Coulters weight can be adjusted during runtime. Maximum weight 200kg/coulters

CONSISTENTLY ACCURATE SEED SOWING DEPTH

- Field surface variations have no impact on seed sowing depth in driving or seed sowing direction
- Hopper fill level does not impact seed sowing depth
- Driving speed does not impact seed sowing depth

EASY TO ADJUST AND USE

- Working depth is easy to adjust in front of the coulters pair
- The easiest, quickest rotation test on the market; one crank and troughs that open from the sides

STANDARD EQUIPMENT

TC Computer controller // Steps front and back // Fine seed option // Hydraulic Nova Combi combination drawbar // Fertilizer and seed sieves // Tarpaulin cover // Adjustable divider wall between hoppers // Calibration equipment for seed and fertilizer // Lighting equipment // Reversing camera

ADDITIONAL EQUIPMENT

Hydraulic markers // CultiPack cultivator // Middle packer // Seed dressing device // Grass seeders // Covering discs behind coulters // Agitators for fertilizer and seed // Rear harrow // Extra rear railing // Self-rolling tarpaulin cover for the hopper // Hybrid cassette Z12-Z46 // 7,50–20 roller gear // Hopper camera // Front levelling board // Extra front steps // Pre emergency markers

THE FIELD SURFACE VARIATIONS DO NOT AFFECT THE SEEDING DEPTH.

	Nova Combi 3000	Nova Combi 4000
Work- and transport width, cm	300	400
Hopper capacity, l	3250/4240 (3000XL hopper)	4500
Basic unit weight, kg	3950	5475
Height, cm	216	216
Double-disc coulters	24 discs, Ø 360/400 mm	32 discs, Ø 360/400 mm
- Pressure range, kg	40–200	40–200
- Runtime pressure adjustment	Standard with TC	Standard with TC
Number of depth adjustment wheels	12	16
- Tire size	18,5 x 8,50 – 8 AW	18,5 x 8,50 – 8 AW
Fertilizer/seed feeder	Fluted rollers, 100 positions	Fluted rollers, 100 positions
- Bottom valves	Adjustable, with springs	Adjustable, with springs
- Feeder usage	Ground wheel on the side	Ground wheel on the side
Support wheels	12 wheels, in groups of two, adaptive structure	12 wheels, in groups of two, adaptive structure
- Tire size	7,50 – 16 AS	7,50 – 16 AS
- Optional tire size (add. cost)	7,50 – 20 AS	7,50 – 20 AS
Hydraulic connections		
- without hydraulic markers	1-function	1-function
- with hydraulic markers	2-function	2-function
- Pressure, bar	150	170
Drawbar cylinder, 2-function	standard	standard



Titan

Tume Titan was awarded as the best seed fertilizer in a practical application test at an application rate of 1200 kg/ha in a competition organized by the Hankkija Agricultural Trade in 2019.

	Titan 3000	Titan 4000
Working width, cm	300	400
Hopper capacity, m ³	4,07	5,64
Seed, max m ³	2,9	4,01
Seed, min m ³	1,72	2,38
Fertilizer, max. m ³	2,35	3,26
Fertilizer, min m ³	1170	1320
Basic unit weight, kg	3050	3850
Loading height, cm	208	208
Coulters max. weight kg/coulter	60	60
Runtime weight adjustment	Standard	Standard
Number of coulters	24	32
Coulter disk diameter, mm	360	360
Min. traction power requirement hp/kWh	90/66	120/88
Packer wheel size	7,50–16	7,50–16
Number of wheels	12	16
Hydraulics, bar	150	170
Hydraulic connections		
- Standard equipment	2 pcs 1-function	2 pcs 1-function
- Standard equipment + markers	1 pc 1-function, 1 pc 2-function	1 pc 1-function, 1 pc 2-function



OPEN STRUCTURE MAKES CLEANING AND SERVICE EASY. FOR EXAMPLE FERTILIZER HOSES CAN BE EASILY TAKEN IN FRONT FOR CLEANING.

Low maintenance

Replacing separate fertilizer arms with a dual disc structure reduces the number of consumable parts in Tume Titan. When all harrowing parts of the machine are in motion, the structure of the machine is completely protected from debris. The machine's tractive resistance is also among the smallest of its class. This helps save fuel and enables the use of a smaller tractor as well.

The supporting wheels cover a wide area, rolling along the surface at a steady pressure. Maximum coulter weight is 60kg/coulter and it can be adjusted during runtime, if necessary.



Support wheel set is very spacious, it follows the shape of the field surface and rolls it with even pressure. It conforms to the field surface by hydraulic pressure and closes the seed furrow precisely, because each support wheel works as a closing wheel at the same time. Titan 3000 has 6 and Titan 4000 has 8-wheel pairs.

Titan is a user-friendly and, most of all, efficient multipurpose seed and fertilizer drill for minimum harrowing as well as harrowing and seed sowing.

THE EASY-TO-ADJUST TITAN IS BUDGET AND NATURE FRIENDLY.

The machine features the largest hoppers on the market. The hopper divider wall is easy to adjust. Titan can also be used for only seed sowing, which makes it an excellent choice for organic farms. Titan's rotation test is the easiest and fastest to do, compared to other machines on the market.

STANDARD ACCESSORIES

Tc-controller // Rear harrow // Hydraulic coulter weight control // Fertilizer screens // Self-coiling tarpaulin cover // Lighting

OPTIONAL ACCESSORIES

Markers // Seed dressing service // Hydraulic front roller // Agitators // Seed screens // Rear handrail // Front steps // Middle packer // CultiPack // Multi-use drawbar // Hybrid cassette // Fertilizer adjusting – Tc-controller





JC

Patented, robust technology

As hinted by its name, Tume JC "JyräCombi" combines two work stages: seed sowing and rolling. This immensely popular model has been upgraded throughout the years with added technology, functionalities and accessories.

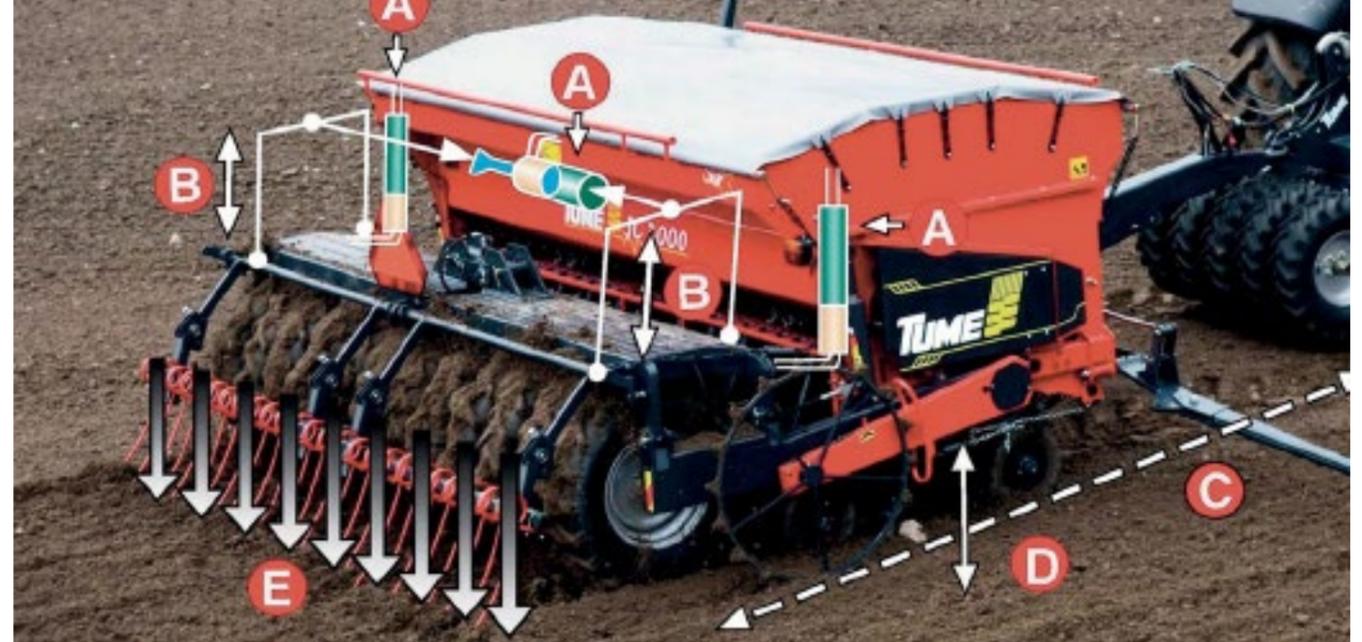
Our status as pioneers of cultivation technology and the solid retail value of our products guarantee a positive outlook. JC is the market leader in its class in Finland.

JC IS KNOWN FOR:

- Large modifiable hoppers for seed-sowing-only application in organic agriculture
- Patented press wheel mechanism and hydraulic cylinders measurements enables even rolling pressure through working width regardless of hopper filling rate
- Seeding width from edge of wheels
- Rolling simultaneously with seeding
- Standard equipment includes a rear harrow that produces optimal harrowing
- Narrow transport width
- Reliable, robust structure for years of precision seeding
- Wanted companion even secondhand

JC'S WELL-DEFINED AND RELIABLE DESIGN MAKES IT EASY TO USE. THE MACHINE CAN BE ACCESSORIZED FOR VARIOUS APPLICATIONS.

REASONABLE PRICING OF JC MAKES IT A SENSIBLE CHOICE OF VARIOUS TYPES OF AGRICULTURAL APPLICATIONS.



	JC 3000 Star XL	JC 4000 Star
Working width, cm	300	400
Hopper capacity, l		
- Total capacity	3720	4160
- Seed, min	1350	1580
- Seed, max	2260	3640
- Fertilizer, max	2360	2580
Basic unit weight, kg		
- Basic unit weight (laser-version)	2735	3300
- Weight with full hopper	≈6100	≈7200
Basic unit dimensions, cm		
- Height	179	167
- Width	338	438
- Length without drawbar	246	246
Tires		
- Size	7,50-16	7,50-16
- Number	12	16
Hydraulics		
- Pressure, bar	160	170
- Connection	1-function	1-function
Power requirement, kW	65	80
Number of fertilizer coulters	12	16
Number of seed coulters	24	32

A. Lift cylinders and roller wheel sections connecting balance cylinder have same pressure. (balance cylinder is filled up everytime machine is raised and lowered to working position).

B. The pull of balance cylinder equals the pressure of section.

C. The machine is possible to hitch directly to draw hook or 3 point hitch with standard equipmen- boom. It follows the tractor perfectly and nimble contouring inequalities of the field.

D. Coulters can move up or down significantly, sowing is perfect over the ridges or low spots.

E. Special tractor pattern wheels level the field perfectly.



STANDARD ACCESSORIES Boom for 3-point hitch // Highway lighting // Mechanical rear harrow // Tramlines for fertilizer with TC // Sieves for fertilizer // Small seed equipment

OPTIONAL ACCESSORIES Hydraulic markers // TC/TC+ seeding computer // Micro granulate unit // Wheel tracker adicator // Grass seed unit // Intermediate wheel packer // Agitator for fertilizer and seed, also available for grass seed unit // Hard metal wearing parts for fertilizer coulters // Ceramic wearing parts for seed coulters // Special drawbar // Hydraulic front levelling board // Hydraulic coulters pressure adjustment // Extra front steps // Hydraulic cylinder of the drawbar // Self-operating tarpaulin // Hydraulically operated rear harrow



CK

CK can be accessorized to fit the seeding requirements of any customer.



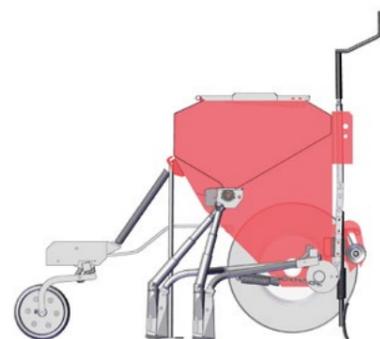
Virgo

Large hopper capacity

Tume CK is an economic, easy-to-use choice, particularly for lawn farms and organic farming applications where it is not necessary to seed and fertilize simultaneously. Large hopper capacity with center mass located near the tractor facilitate safe seed sowing even with smaller tractors. With a total width only slightly exceeding the seed sowing width, the machine is easy to maneuver even in tighter places. The unit is safe to transfer on the road.

Large hopper capacity means fewer tank fillings and stops, so work efficiency is good. Hopper volume and large, easy to use covers makes filling smooth and fast regardless of filling method. Hopper is easy to clean and changing seed variety is fast.

	CK 3000	CK 4000
Working width, cm	300	400
Hopper capacity, l	610	840
Weight, kg		
- Basic unit	420	520
- Full hopper	≈900	≈1190
Basic unit dimensions, cm		
- Loading height	120	120
- Width	308	422
- Length without drawbar	105	105
Tires		
- Size	10,0/80 – 12	10,0/80 – 12
Power requirement, kW	40	40
Number of coulters	25	33



STANDARD ACCESSORIES

Boom for 3-point hitch // Highway lighting // Mechanical rear harrow // Tramlines for fertilizer with TC // Sieves for fertilizer // Small seed equipment

OPTIONAL ACCESSORIES

Hydraulic markers // TC/TC+ seeding computer // Micro granulate unit // Wheel tracker adicator // Grass seed unit // Intermediate wheel packer // // Hydraulically operated rear harrow

Designed to work in rough conditions

The Virgo roller is designed to work on grasslands and fields which easily gets broken by other roller types.

The special made rubber drum avoids damages when hitting a stone and soften hits on the bearings. With this construction we save those damages on the Cambridge rollers and bearings, also a lot in time and money! With the Virgo roller you achieve a normal, leveled field construction and push the rocks back in the ground.

The roller is built in three sections. The transport happens on the middle drum. The wings are folded by hydraulics to the sides. They also press the out standings rollers on the ground to get the same ground pressure and are supported by accumulators, when hitting a rock. As an extra you can choose between hay tines and brake tines which You put in the front.

A pneumatic seeding unit with 8 feeding pipes can be adjusted with a 300 ltr or 500 ltr tank which automatically, not depending on the working speed, seeds the field. A 500 ltr tank is equipped with 16 feeding pipes.

The hay and brake tines help to prolong the lifetime of your grass. Also all types of small seeds can be used on the Virgo 700. The hydraulically steered front tines open the fields surface carefully, and ensures the seeds good contact with the ground. The roller then presses the seed on the ground.

The hydraulic adjusted front tines and brakes make it in some cases possible, to skip other working steps. For example you seed directly after ploughing with this machine.

	Virgo 700
Working width, cm	700
Power requirement, hp	70
Hydraulic outputs	2 x 2-function
Transport width	2950
Diameter of the roller, cm	540
Number of tines, pcs	71/54
Distance between tines, mm	100/65
Weight, kg	3080
OPTIONAL ACCESSORIES:	
	Front tines with 8 mm double tines or 12 mm curved tine // APV sowing unit 300, 500 or 800 l



GROW WITH A GOOD...





KL

Agile mounted seed drill

The KL combined seed and fertilizer drill with side wheels and hoist fittings is a traditional, easy to use drill. The KL combined seed and fertilizer drill can be equipped with extra hoppers to facilitate a large bag of fertilizer. The machine's center mass is located near the tractor, facilitating safe operation even with smaller tractors.

The machine's tractive resistance is small. The machine features wheels with tractor patterns that provide buoyancy. The machine's feeding roller is extremely precise, easy to adjust and suitable for all seed types. The location of the metering chambers ensures a steady feed even in slopes or with poorly settling seed types.

	KL 2500	KL 2500 with extra hopper	KL 3000
Working width, cm	250	250	300
Fertilizer capacity, l	600	830	720
Seed capacity, l	400	630	480
Basic unit weight, kg	920	960	1050
Width, cm	333	333	383
Height, cm	119	140	119
Tire size	10-15,3 AS	10-15,3 AS	10-15,3 AS
Power requirement, kW	40	50	50
Number of fertilizer coulters	10	10	12
Number of seed coulters	20	20	24



HKL

The classic trailed seed drill

The towable HKL combined seed and fertilizer drill with side wheels is a classic among its class. The unit's large hoppers with flat bottoms provide added efficiency. The HKL combined seed and fertilizer drill comes with an additional hopper which can be fed with two large bags of fertilizer. HKL is simple and easy to use. The harrows are clearly visible during seed sowing.

The machine features wheels with tractor patterns that provide buoyancy. The machine's feeding roller is extremely precise, easy to adjust and suitable for all seed types. The location of the metering chambers ensures a steady feed even in slopes or with poorly settling seed types.

BOTH KL AND HKL COMBINED SEED AND FERTILIZER DRILLS HAVE A LARGE SELECTION OF ACCESSORIES FROM SEED SOWING ELECTRONICS TO ROLLER WHEELS.

**ADDITIONAL ACCESSORIES
KL and HKL**

Step level // Press wheels // Middle packer (HKL) // Hydraulic coulters pressure adjustment // Wheel track eradicator // Micro granulate unit // Grass seed unit // Rear harrow // Agitator for fertilizer and seed // Extra hopper (KL)

	HKL 2500 S
Working width, cm	250
Hopper capacity, l	1350
Seed capacity, l	900
Basic unit weight, kg	1100
Weight with full hopper, kg	3200
Basic unit width, cm	360
Basic unit height, cm	161
Tire size	14,9-24 R
Traction power requirement, kW	50
Number of fertilizer coulters	10
Number of seed coulters	20
Hydraulics	
- Pressure, bar	150
- Connection	1-function



KIVI-PEKKA



Greenmaster

FOR LANDSCAPING AND SEEDING OR PATCHING LAWNS AND PASTURES. BY SOWING GRASS, YOU PREVENT WATER POLLUTION. CARBON SEQUESTRATION IS IMPROVED AND EROSION IS REDUCED.



Tume-Agri is a part of PEL-tuote Oy



PEL-tuote Oy is a Finnish company manufacturing agricultural machinery in Eastern Finland, Rantasalmi. Famous Kivi-Pekka stone pickers and Livakka slurry wagons are manufactured there. PEL-tuote acquired a majority stake in Tume-Agri Oy in 2021. The two companies

have been co-operating closely since 2017. The brands remain separate. PEL-tuote focuses on stone pickers and sludge treatment, while Tume-Agri focuses in sowing and cultivation.

Read more online: www.pel-tuote.fi

Light mounted machine for seeding grass seeds

GM 2500 ja 3500

- Can be used to seed and overseed grasses, pastures, lawns etc.
- Feeding system with 100 different settings and helical feeding rollers is accurate and reliable
- Calibration equipment
- Tractor pattern tires
- Adjustable rear harrow
- Optional agitator shaft

GM 1500

- For or landscaping or grass seeding / patching
- Can be towed with an ATV, compact tractor or **even manpower!**
- In plants suitable for seeding grass, sowing rates can vary up to 50-3000g / 100 m²
- Rotation test equipment as standard with the machine!



TECHNICAL DATA	GM 1500	GM 2500	GM 3000
Working width, cm	150	250	300
Basic unit dimensions			
- Total width, cm	190	290	340
- Height, cm	105	105	105
- Weight, kg	100	135	155
- Hopper volume, l	60	90	105
Volume with extra hopper, l		165	195
Tire size	4.00 - 8	4.00 - 8	4.00 - 8
Number of feeding units	12	20	24
OPTIONAL ACCESSORIES (2500 AND 3000):			
Agitator shaft, Extra hopper			



Extra hopper increases total volume 75 or 90 liters.



Calibration test is made to bags by rotating feeding shaft with a crank.

LIVAKKA



ISOBUS

Super Nova Combi seed drill takes Tume to a new era: it has a completely new ISOBUS interface.

Super Nova Combi has an easy-to-use ISOBUS interface. Seed drill can be connected to ISOBUS compatible tractor and used with tractor's own terminal. Feeding units are operated by four electric motors: 2 for the fertilizer and 2 for the seeds. This allows machine to be halved freely from left or right side. Both the seed and fertilizer seeding amounts can be adjusted stepless during seeding. Machine control meets the current and future needs including precision farming.

TUME has received approval from the Agricultural Electronics Foundation (AEF) to use the ISOBUS-compliant system in its machines. Co-approved electronics increase the safety, efficiency and accuracy of agricultural equipment. ISOBUS simplifies implement sharing by offering a Plug-and-play solution: just one terminal for several different implements, regardless of manufacturer.

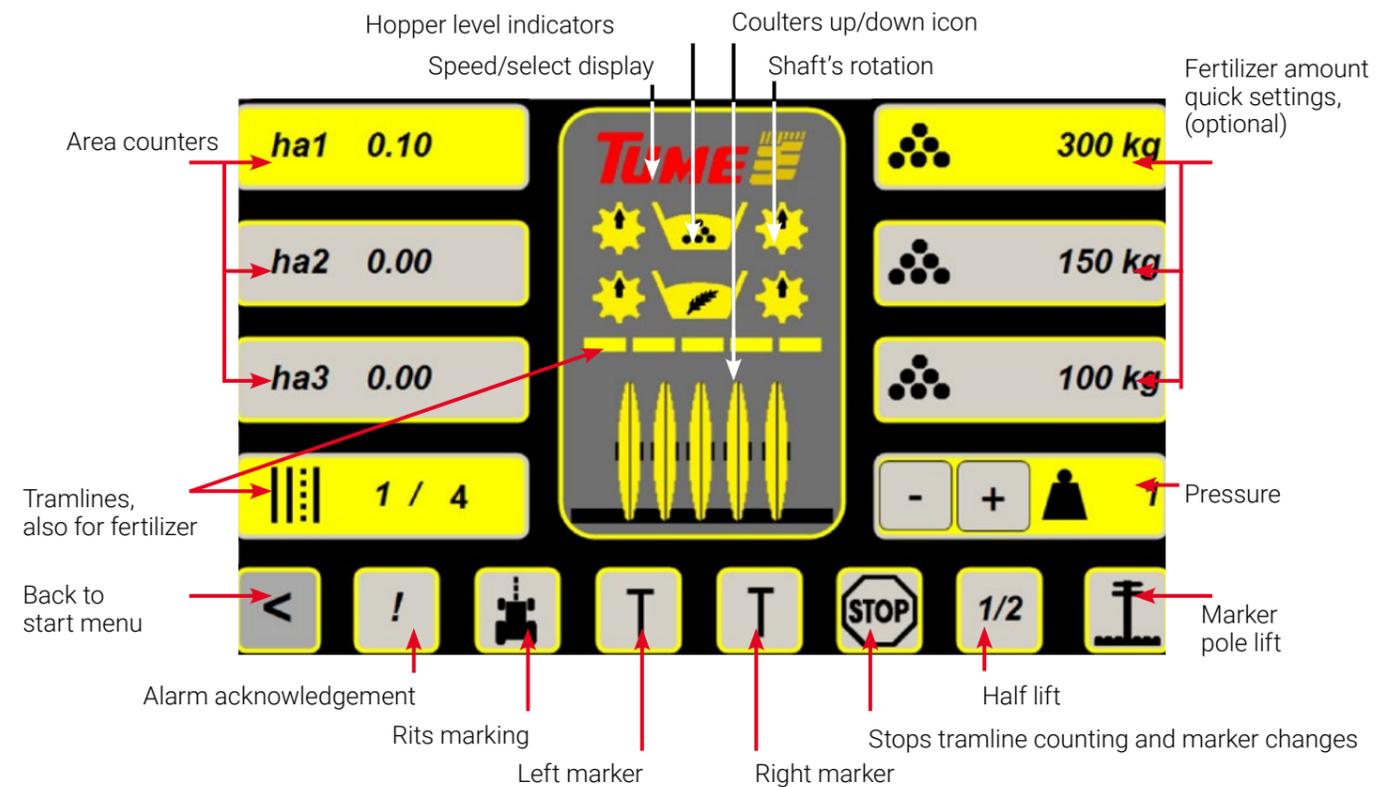
The Agricultural Electronics Foundation (AEF) is an independent organization founded on 28 October 2008 by seven international manufacturers of agricultural products and two associations.



ROBUST AND MODERN TUME C-CONTROLLER

Monitors the rotation of the feed shafts, the emptying of the tanks, controls the markers, the hydraulic rear harrow, makes spraying groves and measures areas. Electronic remote control of fertilizer. TC is available in JC, Titan and Nova Combi -seed drills.

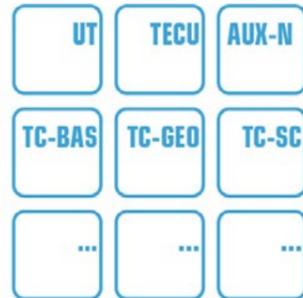
SEEDING MENU



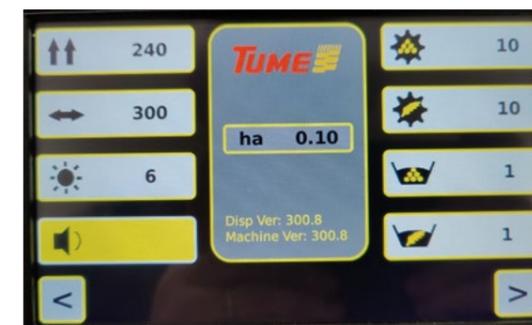
AEF Certified



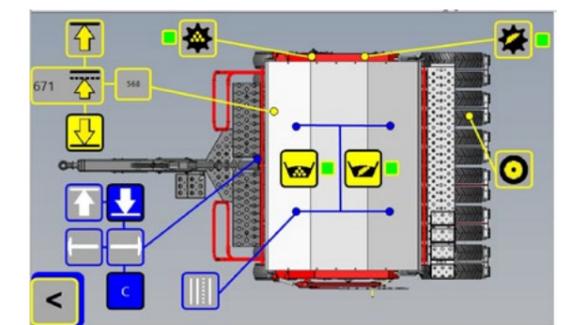
www.aef-isobus-database.org



SETTINGS

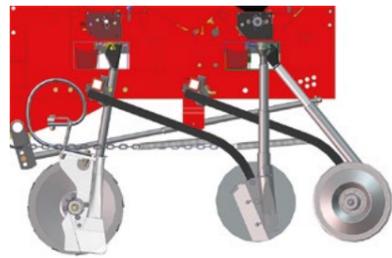


SERVICE SCREEN



Add versatility with accessories

Accessorize your machine according to your needs. In addition to on-board computers and middle cultivators (Cultiplus and Cultipack), there is a wide range of accessories available. Build your own working package with us! (Models for which an accessory is available are in parentheses.)



LASER - COULTERS
Combi seeder can be equipped with Laser-disc coulters. Fertilizer coulters with toothed discs are not blocked and keep drilling depth stable even if there are a lot of crop residues. Seed coulters' pressure can be easily adjusted to meet different kind of requirements. (KL, HKL, JC)

(HYDRAULIC)REAR HARROW
Sorts the soil structure so, that the seedbed does not lose the moisture. You can leave the rear harrow down when drill is lifted up. Covers the wheel tracks in turnings. (CK, KL, HKL, JC, NC, Titan, SNC)



HYDRAULIC MARKERS
Makes the driving line for next pull, don't need to estimate. (HKL, KL, CK, JC, Titan, NC, SNC)



MIDDLE WHEEL PACKER
Press the field surface between the tractor wheels. (HKL, JC, Titan, NC, SNC)



SPECIAL DRAWBAR
Suitable with Tume CultiPack harrow and also with power harrows. (JC, Titan, SNC)



HYDRAULIC CYLINDER OF THE DRAWBAR
With this cylinder you can lift the front side of the drill, e.g. to help the soil flow to pass the coulters. (JC, Titan)



HOPPER EXTENSION
Makes the volume of the hoppers larger. (KL, HKL)



GRASS SEED UNIT
Possible to drill grass seeds simultaneously with grain seeding and fertilizing. (CK, KL, HKL, JC, Titan, NC, SNC)



MICRO GRANULATE UNIT
Feeds the start-fertilizer to the same row as seeds. (KL, HKL, JC, SNC)



AGITATOR FOR FERTILIZER AND SEED
Ensure the material flow to feeding units. (GM, CK, KL, HKL, JC, Titan, NC, SNC)



HYDRAULIC FRONT LEVELLING BOARD
Finish the surface of the field for drilling. (JC, Titan, NC, SNC)



HYDRAULIC COULTER PRESSURE ADJUSTMENT
Possible to adjust the coulters pressure while driving. (CK, KL, HKL, JC)



COVERING DISCS
Flows the soil to seed furrow before packing. (NC)



SELF-OPERATING TARPULIN
Makes the opening of the hopper easier. (JC, NC)



EXTRA-SLOW TRANSMISSION
Possible to sow very little seed quantity app to 3 kg/ha. (Titan, NC)



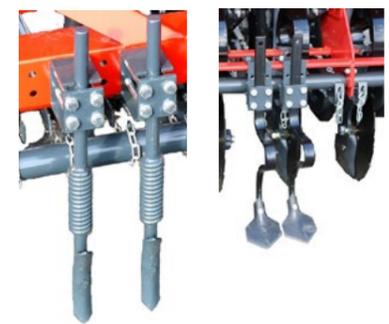
EXTRA STEPS
Makes the filling of the hopper easier and safer. (CK, KL, HKL, JC, Titan, NC)



PRESS-WHEELS
Press the seed rows. (CK, KL, HKL)



REAR RAIL
Makes the filling of the hopper safer. (Titan, NC)



WHEEL TRACK ERADICATOR
Cultivates the tracks of the tractor wheels. (CK, KL, HKL, JC)



CERAMIC WEARING PARTS FOR SEED COULTER
Multiple lifetime. (CK, KL, HKL, JC)

HARD METAL WEARING PARTS FOR FERTILIZER COULTER
Multiple lifetime. (KL, HKL, JC)

CULTIPACK

DISC CULTIVATOR



CULTIPACK disc cultivator can be used independently or connected to the Tume feed and fertilizer drill.

When used in combination with other machines, the CultiPack is a powerful pre-cultivator. The cultivator can mix stubble and straw cuttings into even shallow harrowing layers.

As the only disc cultivator on the market, the CultiPack features a patented connector for a seed and fertilizer drill. Working depth is adjusted hydraulically. It can be adjusted from the field surface up to 12.5 cm working depth.

GOOD MANEUVERABILITY

The CultiPack features rotating wheels. Thanks to its freely rotating wheels and raising cultivator disks, the machine does not require hoisting during turns or transportation.

The tractor is easy to maneuver because the CultiPack will not cause it to lean back. The cultivator follows the tractor's movements closely. Less weight on the tractor rear wheels means less accumulation in the headlands of the field.

Technical data

	CultiPack 3000	CultiPack 4000
Work and transports width, cm	300	400
Number of discs left/right Ø 457 mm	10/11	14/15
Wheel size	7,00 x 12 AS	7,00 x 12 AS
Weight, kg	≈ 1270	≈ 1790
Hydraulic connections	1 pc 2-function	1 pc 2-function
Power requirement, hp/Kw	80 / 57	100 / 75



CULTIPLUS

MULTIPURPOSE CULTIVATOR



TUME CULTIPLUS is intended for tillage and seedbed preparation. CultiPlus is both a cultivator and a disc harrow in one. Features can also be used separately.

CultiPlus is superior in versatility and incredibly effective cultivator which's working result is worth watching. The first cultivating element is two rows of spring-loaded cultivator tines which ensures that the soil surface is opened without excessive compaction.

After the cultivator unit there is a CultiPack disc cultivator having two rows of discs. That ensures the proper mixing of the soil. Rear wheels behind the disc cultivator completes the tillage optimally for the soil moisture conditions.

The versatility of the Tume CultiPlus is even enhanced by the option to use it without the tine cultivator unit. Tume CultiPack unit can be used independently or in combination in front of the Tume seed drills. Tume CultiPlus is the right choice when there are cultivation needs both in spring and autumn in different soil types.

Technical data

	CultiPlus 3000	CultiPlus 4000
Work and transports width, cm	300	400
Weight, kg	2400	3050
Power requirement, hp	120-150	150-200
Cultivator tines	7	9
Hydraulic connections	1 pc 2-function	1 pc 2-function



Harrow -SERIES

SMALL SEED UNIT IS AVAILABLE TO ALL HARROW-MODELS.



Harrow D

D
SERIES

Harrow D disc harrow is suitable for tilling, light tillage and seedbed preparation.

When operating a disc harrow coupled to the tractor lift arms, a significant percentage of the total work time is spent in headlands and corner turns, which require the harrow to be raised off the ground. The towable harrow can be run on fields without having to be lifted at headlands, thus significantly improving work efficiency.

The disc harrow is run around the perimeter of the field, because good towability allows the cultivator to operate also in curves. The disc harrow is either in its working position or supported on its rubber rear packer, so that the tractor's rear wheels will not exert excessive ground pressure, as normal harrows coupled to the tractor lift arms do. This prevents soil compaction.

SIMPLE, HEAVY-DUTY FRAME

The disc harrow's heavy-duty, open and nearly uncloggable construction ensures the effective mixing of straw and plant waste into the cultivated layer. Fixed, solid rubber packers are mounted at the rear of the machine, and the working depth is adjusted with hydraulic working discs. Working depth can be adjusted from 0–15 cm. The disc transport height is 30 cm.

STANDARD ACCESSORIES

- Load-bearing and stable 800 mm diameter rear packer
- Hydraulic working depth adjustment also on side discs
- Properly designed scraper keeps packers clean
- Hydraulic drawbar
- LED front and back lights
- 'Slow moving vehicle' warning triangle
- Working depth scale
- Durable SKF bearings



The rubber packer with a diameter of as much as 800 mm running behind the machine enables versatile use of the cultivator.



The working depth of the machine can be precisely adjusted hydraulically by turning the axles of the discs.

TURF TILLING WITH THE VERSATILE TOWABLE DISC HARROW

Harrow D is also suitable for seedbed preparation, and it is designed to deliver top performance regardless of the conditions. Turf tilling differs from stubble tilling in that it requires two passes and places greater demands on the machinery. If the turf is removed chemically, it will soften as it dies, thus making the tilling considerably easier. It is also possible to till growing turf. To make the tilling of growing turf easier, the turf should be quite short in order to minimize the amount of soil mass being tilled and mixed.

OPTIONAL ACCESSORIES

- Hydraulic levelling board with its own hydraulic cylinder. The levelling board is fitted with 80 x 10 springs, which include 150 mm blade flaps. This makes contouring the field surface and levelling ploughed areas easier.
- The rear harrow works automatically together with the disc working depth adjustment, but can also be locked out of the way in its up position. The rear harrow provides the finishing touches for a good seedbed during seedbed preparation. When tilling, the secondary harrow is used to spread straw stacks, thus making subsequent work phases easier.
- A smooth disc for extremely deep tilling is available as an optional accessory.
- A sowing unit and two rows of sowing tines are also available for supplementary sowing.



The sturdy attachment of the discs is designed to withstand even rocky conditions.



	D350	D400	D450	D550
Working width, cm	350	400	450	550
Transport width, cm	350	400	285	285
Unladen Weight, kg	2800	3200	3825	4675
Weight, kg/m	800	800	850	850
Power requirement, hp	100-120	120-150	140-180	180-220
Disc diameter, cm	51	51	51	51
Number of discs	2 x 14	2 x 16	2 x 18	2 x 22
Disc spacing, cm	25	25	25	25
Work output, ha/hour	3-6	4-8	4,5-8,5	6-12
Rear packer, Ø mm	800	800	800	800

Harrow -SERIES



Harrow R



The Harrow R Shovel Roller is a familiar and efficient basic tillage machine. Its history is second to none, as the first Hankmo disc cultivators were developed as early as the beginning of the 20th century. So, the product has been used successfully for over 120 years and again in the 2020s they are becoming an increasingly popular tilling tool.

In the revamped R-Series, shovel rollers are available as both mounted and trailed. Whichever the method of pulling, the properties of the shovel roller are the same thanks to the four-tipped blades. The blades break, crush, mix and move the ground, but at the same time the soil mass can move freely sideways and there is no compacting effect.



The efficiency of the R-Series is unmatched, especially considering the price range of the machine and the need for traction power.



The transport position of the mounted models is compact.

Technical advantages

- The structure is very simple and considered durable. Axle suspension as standard as well as well-protected high-quality ball bearings on all shafts.
- Easy and low maintenance. All lubrication points in easy places
- Lower unladen weight and low tensile strength compared to a disc harrow, for example

The benefits of practical cultivation

- Very suitable for cultivating autumn sowing, for example
- Raises weed roots in the field to dry
- An excellent germinant for seed weeds and chaff straw
- Effective for mulching manure
- Creates a fluffy working surface that allows good water absorption
- Due to its weight, it is also possible to modify the so-called wetter problem areas.

Economic benefits

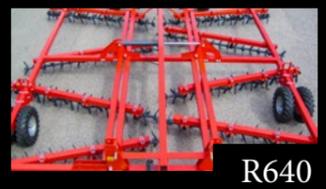
- Cost effective - price/efficiency. For example, with a working width of 6.4 m and a working speed of more than 15 km/h, the working capacity is up to 9 ha/h
- Low traction power requirement



MOUNTED:



TRAILED:



	R380L	R640L	R460	R640
Towing method	Mounted	Mounted	Trailed	Trailed
Working width, cm	380	640	460	640
Transport width, cm	215	277	300	300
Number of knife axles, pcs	6	4	8	8
Number of knife crosses, pcs	66	68	96	136
Blade length, cm	42,5	42,5	42,5	42,5
Weight, kg	1200	1800	2300	3100
Power requirement, min kW	90	115	100	130
Spring-loaded axle mounting	x	x	x	x
Ball bearing housings	x	x	x	x
Drawbar's cat II			x	x

Harrow -SERIES

T
SERIES



Harrow T

The Tume Harrow T Series is an expected new addition to the tilling market. The T-model can be called a real universal harrow, which can be used for both cultivation and sowing with different types of soil in both spring and autumn. In addition, the T model is well suited for weed control in fallow fields, for example. Harrow T is a versatile tillage tool that you can handle now and in the future. The changing regulations of arable farming are unpredictable, but with this cultivator you can work no matter what has changed!



The Harrow T-Series tills soil roughly when needed and stays well open when cultivating even tougher stubble.



The lighter tillage for traditional seedbed preparation is also very successful with the same machine.

The T-series is available in both 6m and 7.5m widths. An optional hydraulic front levelling board is available at the front of the machine, which makes it possible to level out larger irregularities, if necessary, as you can move even a larger embankment with the levelling board. On the other hand, if necessary, it can be raised considerably so that it is not a disadvantage, for example, in conditions with a lot of straw chaff.

The actual tilling is based on 150 mm intervals on six axes placed on strong 12mm x 70mm Herkules s-tines available

with either 200mm wide Goosefoot blades or a 60x10 reversible blade flap. The tine, which has been successful in various tine tests, maintains its working depth well and vibrates the working layer that the 600 mm high so-called U-profile double packer at the rear of the machine finishes. It is good in both wet and dry conditions. In wet conditions, the U-grooves are filled with soil, so that there is no ground-triggering effect. In dry conditions, on the other hand, it is an effective lump crusher and soil compactor, so that spring moisture does not escape and driving times are saved.

The Harrow T is very spacious, and the space increases in a row of spikes when going backwards: the first spaced row spacing is 600 mm, and the last as much as 800 mm. The U-profiles of the packers are spaced 300 mm apart, so in the so-called double packers the u-profiles are interleaved every 150 mm. The properties of the U-profiles are displayed especially in stubble tillage, where the packer presses the straw into the ground and the decay of plant debris begins quickly. As an accessory to the machine, a rear harrow is also available to ensure the correct crumb structure, especially for spring sowing.



The standard U-profile double packer supports the machine across its entire width and makes it much easier to control the working depth in different conditions.



The wide track spacing and hydraulic suspension of the transport wheels make it possible to be stable when transported by road.

The double packer also acts as a transportation set of wheels for the machine when driving in the field. The wheels intended for road transport are AS504 15.5/80-24" (384 mm wide and 1250 mm high) and are located in the right place with the center of gravity and with a wide track spacing, ensuring

stable transport of the combination. The hydraulic suspension of the transportation wheels ensures a very stable position when moving the machine. The smooth and straight running of the machine is ensured by the support wheels in the front corners, which are size 13.0/55-16 (width 336 mm, height 770 mm).



The permeability of the T-model is incredibly good even in dense conditions in a bed of oat chaff by mulching.



In clay that has become too dry due to the firmness of the harrow sowing is successful with fewer runs.

	T600	T750
Working width, cm	600	750
Weight, kg	5600	6300
Transport width cm	298	298
Number of Tines	41	51
Tine size, mm	12 x 70	12 x 70
Size of transport wheels	15.5/80-24"	15.5/80-24"
Size of front support wheels	13.0/55-16"	13.0/55-16"
Rear packer, Ø mm	600	600
Hydraulics	4 x 2-function + brake	4 x 2-function + brake
Min. power requirement	6m 120/160 (kW/hp)	7,5m 150/200 (kW/hp)
Tine spacing, mm	150	150
Number of tine axles	6	6
Tine height, mm	700	700
Frame length, cm	370	370





GROW WITH A GOOD FLOW

www.tumeagr.fi
@tumeagri

**Contact your
local dealer**

PB 77,
FIN-14201 TURENKI
Tel. +358 207 433 060
info@tumeagri.fi