For Earth, For Life
Kubota

TD

KUBOTA TINE SEEDER

TD1001F SERIES

The cost-effective alternative

THE NEW GENERATION TI

KUBOTA TD1001F SERIES

NE SEEDER

The Kubota TD1001F series is setting the benchmark within this class of machinery. In particular the easy handling and the wide range of equipment characterises the TD1001F series. Various options combined with high performance make the TD1001F series a real alternative among crop establishment systems.

Especially in extreme conditions for example, humid soil or high crop residues, the advantages of the TD1001F series become evident.

KUBOTA TD1001F SERIES

Five rows of tines

The intelligent arrangement of the seeding tines over five rows allows the TD1001F series to maintain even seed depth across the seedbed and in conditions with high amounts of crop residues. The symmetrical distribution of the rear row of tines ensures excellent seed depth and levelling.
The TD1001F series is available with tine spacings of 12.5 or 15cm.

Wheel equipment

Equipped with the largest profile wheels of any machine in its class (11.5/80-15.3 10PR), the TD1001F series offers significant advantages.
The large diameter wheels of the TD1001F series run smoothly and easily, the tyre pressure of around one bar ensures the ”footprint” of the machine is significantly reduced. Deep wheelings are avoided whilst the seed bed is protected against compaction. The infinite depth adjustment and thus the sowing depth are precisely controlled with the TD1001F series wheel equipment.

AT A GLANCE...

Hopper capacity up to 1700 ltr.
With up to 1700 litres hopper capacity, the TD1001F offers one of the biggest hopper capacity in this product sector. Due to the optimised position of the hopper, the centre of gravity is close to the tractor. The sturdy hopper cover is protected from damage by an overload system when filling with Big Bags. The hopper sides are substantially steeper, which ensures complete emptying of the seed and also the position of distribution head is higher to gain more angle. A window located directly above the metering device enables the operator to monitor the hopper content from the tractor cab. The access steps and large loading platform offer safe and excellent access to the seed hopper.

Electric metering device ELDOS
The ELDOS metering device is positioned at the side of the machine for easy and safe calibration.
Application rates from 1 to 400kg/ha are possible.

OFFERS SO MUCH MORE

Focus 3 is the terminal of the e-bas system to control all functions of the seed drill. It is not ISOBUS compatible.

ISOBUS connection between tractor and implement with Plug & Play.

Side positioning of the metering device – easy adjustment

With the easily accessible electronical metering device ELDOS Kubota is setting new standards. Handy positioned on the left hand, the TD1001F provides an excellent and ergonomic access to the metering device and enables an easy calibration. All important components are easily visible and accessible. A seed emptying chute is provided for easy removal of remaining seeds and cleaning.
The four standard rotors and a calibration kit consisting of a calibration bag and a digital scale are supplied as standard equipment. All is stored in a tool box attached near to the metering device giving the opportunity for calibration tests at any time.

Electronic controls

There are two machine control systems available for the TD1001F:

Option No. 1 is the e-bas system which includes the basic electronics to run and monitor the machine functions via the Focus 3 terminal. The e-bas system controls the ELDOS metering device, tramlining, the hectare count and fan speed control.

Option No. 2 is the e-com system which offers even more options required by the professional farmer. With the e-com system the TD1001F is fully ISOBUS compatible and ready for plug & play! Using an industry standard plug, the machine is connected directly to the ISOBUS terminal of an ISO compliant tractor (DIN-ISO 11873).

All machine information and control functions are shown on the tractor virtual terminal, no additional monitor is necessary. Auto on/off function using GEOcontrol and a GPS signal is possible which avoids double seeding on the headland.

If the tractor is not equipped with an ISOBUS compatible system, the TD1001F can be controlled by the Kubota own IsoMatch Tellus GO or IsoMatch Tellus terminals.

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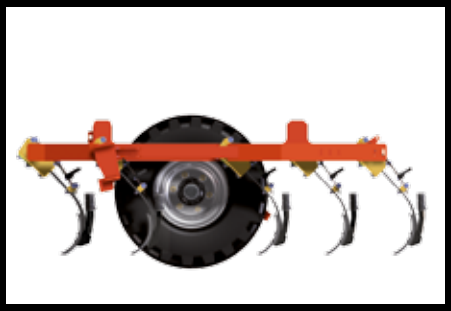
Wheels mounted in the centre – excellent ground contour following

With the ability to follow undulating land, the TD1001F series proves its quality. Due to the central position of the land wheels within the main frame, the TD1001F series adapts perfectly to the ground contours. In comparison to implements with front mounted landwheels, the design of the TD1001F series equalises the distance between the tine rows and the landwheels. Thus the impact on the sowing depth when working on slopes or uneven ground is reduced considerably. With the TD1001F series the sowing depth is simply more precise.



Tines in front of the landwheel – even running under all conditions

A tine in front of each landwheel levels the soil and ensures an even and steady running of the seeder - a prerequisite for the accurate depth control and seed placement with tine seeders. Due to the design of the TD1001F series, seeding can be carried out in a crossways direction to the previous cultivation operations.

Side depth control wheels

Machine with working widths over 4.5 m the TD1001F series is equipped with additional depth control control wheels (2 x 20.5 x 8.0-10; 6 PR) mounted on the wing sections. These are continuously adjustable in depth and support the smooth running and even depth control of the seed placement.

The depth control wheels assist as well the free-floating wing sections to also follow lateral ground contours.

The tine – well proven

The seeding tines of the TD1001F are made of high quality spring steel fitted with the Kubota leaf-spring autoreset overload protection. To ensure the free flow of crop residues through the machine, the tines are arranged in an offset configuration over five rows. A new patented seed outlet which has no screws in the seed outlet tube ensures perfect seed placement. The TD1001F series is available with either 12.5 or 15 cm row spacing. The special design of the tines reduce the tractor power requirement and ensure uniform seed depth placement. Also in extremely humid and sticky soils, the TD1001F series ensures perfect seeding results.

Straight tine

Reversible tine (option)

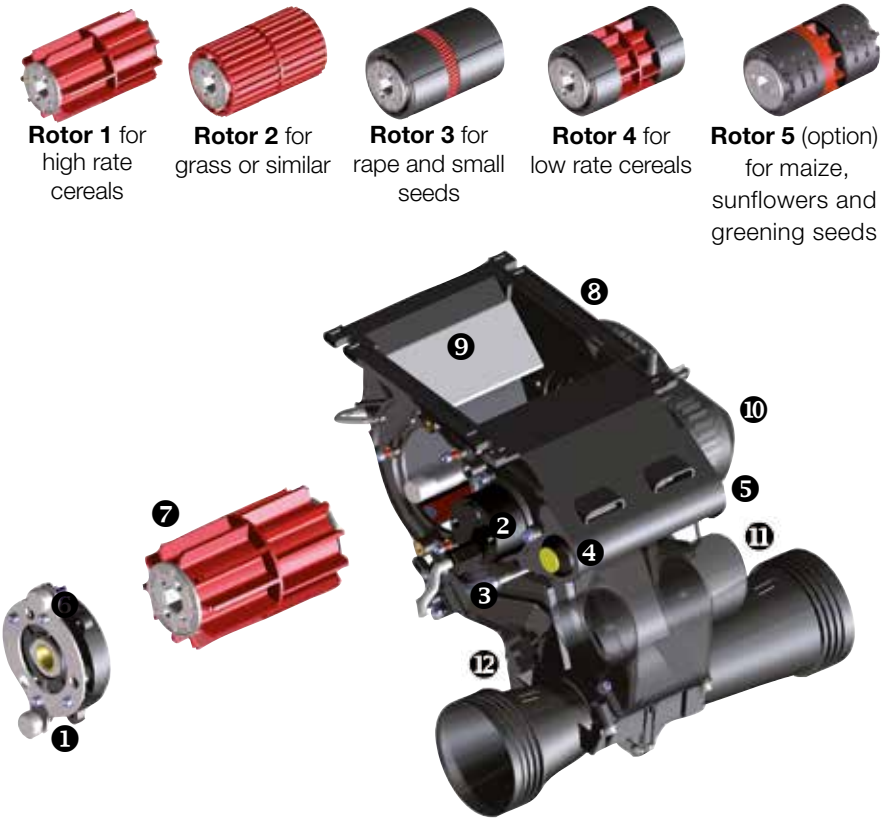
EASY ADJUSTMENT – WI

An electronic low level sensor, adjustable from outside the tank, monitors a range of seeds from small quantities of rape to bigger seeds and larger quantities.

The rotors, when not in use, are always ready to hand stored well protected against dust in a toolbox. There is also a calibration bag and scale.

The loading steps and platform provide safe access for filling and inspection of the hopper.

THOUT ANY TOOLS



Rotor 1 for high rate cereals

Rotor 2 for grass or similar

Rotor 3 for rape and small seeds

Rotor 4 for low rate cereals

Rotor 5 (option) for maize, sunflowers and greening seeds

1. Device end cover removed with the need of any tools
2. Fully integrated electric drive
3. Calibration flap sensor
4. Remote control for calibration start/ stop/break
5. Software to control the system
6. Rotor recognition plate, avoids wrong rotors selection
7. Different rotors for different seeds
8. Antistatic housing
9. Removable flap for heavy seeds no tools required to dismount
10. Fixed drive system no need to adjust
11. Central arm for calibration test flap
12. Venturi suction bypass valve

ELDOS

The new ELDOS metering device, is electrically driven and is fully ISOBUS compatible in the e-com version. Auto on/off using GEOcontrol and a GPS signal is possible which avoids double seeding on the headland. Special sensors ensure perfect functionality all monitored from the tractor cab. The calibration test is very simple due to the on-screen guidance for all seed settings. The operator simply enters the desired values into the terminal, no gears have to be adjusted, just press one button to start calibration and that's it. A remote control allows the calibration process to be carried out directly at the metering device, the calibration is done automatically. Four seed rotors are delivered as standard for fine medium and large seeds or fertiliser. If the operator selects the wrong rotor by mistake, the system recognises this and gives a warning. It is completely self-controlled and fail-safe. The exchange of the rotors is carried out quickly and easily without the need of any tools. Application rates from 1 to 400 kg/ha are possible. An additional rotor no. 5 for maize, sunflowers and greening seeds is optional available.

Adjustment of the central wheel by spacer

Adjustment of the lateral control wheels

Horizontal alignment

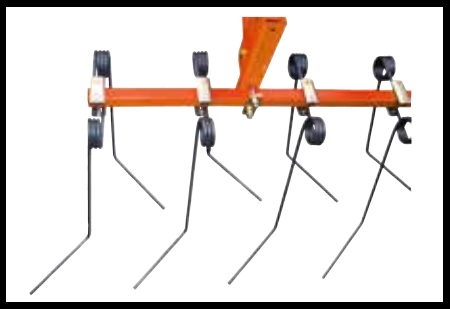
Working depth

User-friendly adjustment and clear scales facilitate easy setting of the machine depth and allow quick return to previous positions. With no tools required, the adjustment of the TD1001F models can be changed from shallow oil-seed rape seeding to deeper wheat seeding with a minimum of delay. The horizontal alignment of the machine is controlled by a simple indicator at the hopper.

FOLLOWING HARROW

Following harrow

Effective seed covering after sowing is ensured by the twin row precision following harrow section as standard equipment. The special design of the tines allows even high quantities of damp plant residues to pass through the harrow without blocking. Optional the TD1001F series can be equipped with the two rows finger harrow for extremly stony conditions. The harrow pressure and its aggressiveness can be adjusted via the spring pressure adjustment and the angle of the harrow bar.



Two rows finger harrow

Two rows precision harrow

Following harrow and press wheels

As an option the TD1001F series is equipped with a one-row V-harrow and press wheels. This offers the option of applying additional pressure by the continuously adjustable press wheel.
Like the following harrow the optional press wheels are divided into three sections. The pressure can be infinitely adjusted via the screw adjusters. If the seed press wheels are not required due to very humid conditions, they can be completely lifted.

Universal application
The flexibility of the TD1001F series allows its operation after the plough as well as after conservation tillage.

USER FRIENDLINESS

Track marker

On the TD1001F Series, the optional hydraulic track marker folds horizontally and is shear bolt overload protected. The notched disc ensures marking even in heavy mulch conditions.
The track marker arms actuated via double acting tractor spool valves.

Turbina

La turbina es hidráulica como estándar y se situa por detrás de la tolva, integrada en el chasis.

Es posible solicitar la turbina accionada por la TDF (540/850/1.000rpm) como Variante con sobrecoste.

Como Variante, también es posible solicitar sistemas adaptados a “Linea-sensora” (Load-Sensing).

Transport position

Easy conversion from working to transport position. The transport width of 3.00m ensures safe road transport. Low lifting capacity is needed due to the close centre of gravity.

ELECTRONICS

The Kubota M7001 series are ISOBUS 11783 compatible. This means that the tine seeder can be plugged directly into the tractor and where available be operated via the K-monitor without any other separate terminal.

NEW!

FOCUS 3

The new terminal Focus 3 replaces the former FGS tramlining system and Signus seed controls.

This new terminal runs the e-bas system to control all basic electronic functions of the machines such as hopper low level control, various tramlining systems, hectare information, km/h, fan speed, including the control of the new ELDOS metering device. The Focus 3 also has a full diagnostic function for testing machine sensors and outputs.

The Focus 3 is not ISOBUS compatible and is does not support GPS signals or applications.

The next generation universal ISOBUS Terminal – IsoMatch Tellus

- Two ISOBUS interfaces in one terminal
- Multifunctional ergonomic design
- ISOBUS Shortcut Button (ICB)

Robustly designed aluminum body and ergonomic rubber grip

The IsoMatch Tellus is the first ISOBUS terminal in the world with the capability to operate 2 different (machine) screens through 1 terminal, without the need to constantly toggle between screens.

Maximum efficiency with precision farming

IsoMatch GEOcontrol for use with fertiliser spreaders, sprayers, seed drills and precision drills, can boost accuracy and efficiency, while allowing seamless integration with precision farming systems. Isomatch GEOcontrol provides the following functionalities:

- Automatic section control
- Variable rate control
- Documentation
- Manual guidance
- Headland control
- Smart boundary recording

This advanced software application installed on the IsoMatch Tellus or IsoMatch Tellus GO, makes it possible to automatically switch the implement's sections on/off. It is a simple job, especially during night operations. You can use variable rates by downloading field maps to the Terminal which is then controlled by GPS. IsoMatch GEOcontrol will automatically adjust the output rate for the implement. The savings are significant on input costs such as fertiliser, chemicals and seed.

Kubota has a strong focus on development and production of new electronic solutions for agricultural tractors and machinery, all to make the farmers live easy and ready for the future.
All initiatives in development in ISOBUS Technology are undertaken:

- To increase the customer benefits in relation to the application of ISOBUS technology within ISOBUS machines.
- To improve the compatibility of ISOBUS products world wide (plug & play).

IsoMatch Tellus GO

IsoMatch Tellus GO is the farmers first step into Precision Farming. With the easy to use application, IsoMatch GEOcontrol, it is possible to boost efficiency and save time and costs. The application includes Manual Guidance, Section Control and Variable Rate. Whether it is used with fertiliser spreaders, sprayers or seed drills, Precision Framing is just one click away.

OPTIONAL EQUIPMENT

Clod Board
- Hydraulic Clod Board, infinitely adjustable
- Visible from the tractor cab
- Recommended on ploughed and roughly prepared fields

Half-width shut-off
- Distribution head can be easily shut-off for half width sowing
- Simple change to micro metering
- No tools needed
- Retro-fitting is possible

Rotor no. 5
- Additional rotor no. 5 for maize, sunflowers and greening seeds

Track eradicator
- Depth adjustable via pin and hole system
- Preloaded by spring pressure
- Overload protection

Radar
- A radar speed sensor records the speed in order to maintain the relevant distribution rate at the correct time.

Mechanical fan drive
- For 1000 rpm, 850 rpm or 540 rpm

Pre-emergence marker
- Provides visible guidance markings for subsequent field operations such as spraying or fertilising spreading before emergence of the seed.

Hopper extension
- 350 ltr. hopper extension for 1700 ltr. hopper capacity (not available for TD1601F)

Shut-off valves
- Shut-off valves for tramlines with ”border line effect”

2 row finger harrow
- Recommended for stony conditions
- Adjustable via spring pressure, without any tools

Press wheels
- Ensure optimum seed-soil contact
- Including 1 row V-type harrow
- Pressure adjustable by spindle
- Press wheels can be lifted out completely especially in humid conditions

Lighting equipment
- Safe road transport

TECHNICAL DATA

Model	TD1401F	TD1481F	TD1501F	TD1561F	TD1601F
Working width (m)	4.00	4.80	5.00	5.60	6.00
Transport width (m)	3.00	3.00	3.00	3.00	3.00
No. of coulters (12.5cm distance)	32	38	40	-	48
No. of coulters (15.0cm distance)	26	32	32	40	40
Hopper capacity (l)	1350	1350	1350	1350	1350
Hopper extensions (max. 1700l) (l)	❍ (350)	❍ (350)	❍ (350)	❍ (350)	—
Hopper cover protection	●	●	●	●	●
Quick emptying chute	●	●	●	●	●
Low level sensor	●	●	●	●	●
Mechanical fan drive	❍	❍	❍	❍	❍
Hydraulic fan drive	●	●	●	●	●
Fan speed control	●	●	●	●	●
ELDOS electric metering device with 4 rotors	●	●	●	●	●
Rotor no. 5	❍	❍	❍	❍	❍
Metering device control	●	●	●	●	●
Seed rate adjustment	●	●	●	●	●
Seed quantity (min. / max.) (kg)	1-400	1-400	1-400	1-400	1-400
Tramlining system with e-bas or e-com eletronic steering	❍	❍	❍	❍	❍
Shut-off valves for tramlines	❍	❍	❍	❍	❍
Pre-emergence marker	❍	❍	❍	❍	❍
Half-width shut-off	❍	❍	❍	❍	❍
Track eradicator reversible tip (1 set)	❍	❍	❍	❍	❍
Following harrow 2 rows presicion	●	●	●	●	●
Following harrow 2 rows finger	—	—	❍	—	❍
Press wheels (380 x 50mm) incl. 1 row V type harrow	❍	❍	❍	❍	❍
Hydraulic Clod Board	❍	❍	❍	❍	❍
Lighting equipment	❍	❍	❍	❍	❍
Straight tines	●	●	●	●	●
Reversible tines	❍	❍	❍	❍	❍
Central land wheel	2 x 11.5/80-15.3 (10PR)				
Lateral control wheel	—	2 x 20.5x8.0-10 (6PR)			
Min. power requirement (HP/KW)	100 / 75	120 / 88	125 / 92	130 / 96	130 / 96
Weight (kg)	1630	1805	1850	1930	1980

● *Standard equipment* ❍ *Optional equipment* — *Not available for this type*

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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