

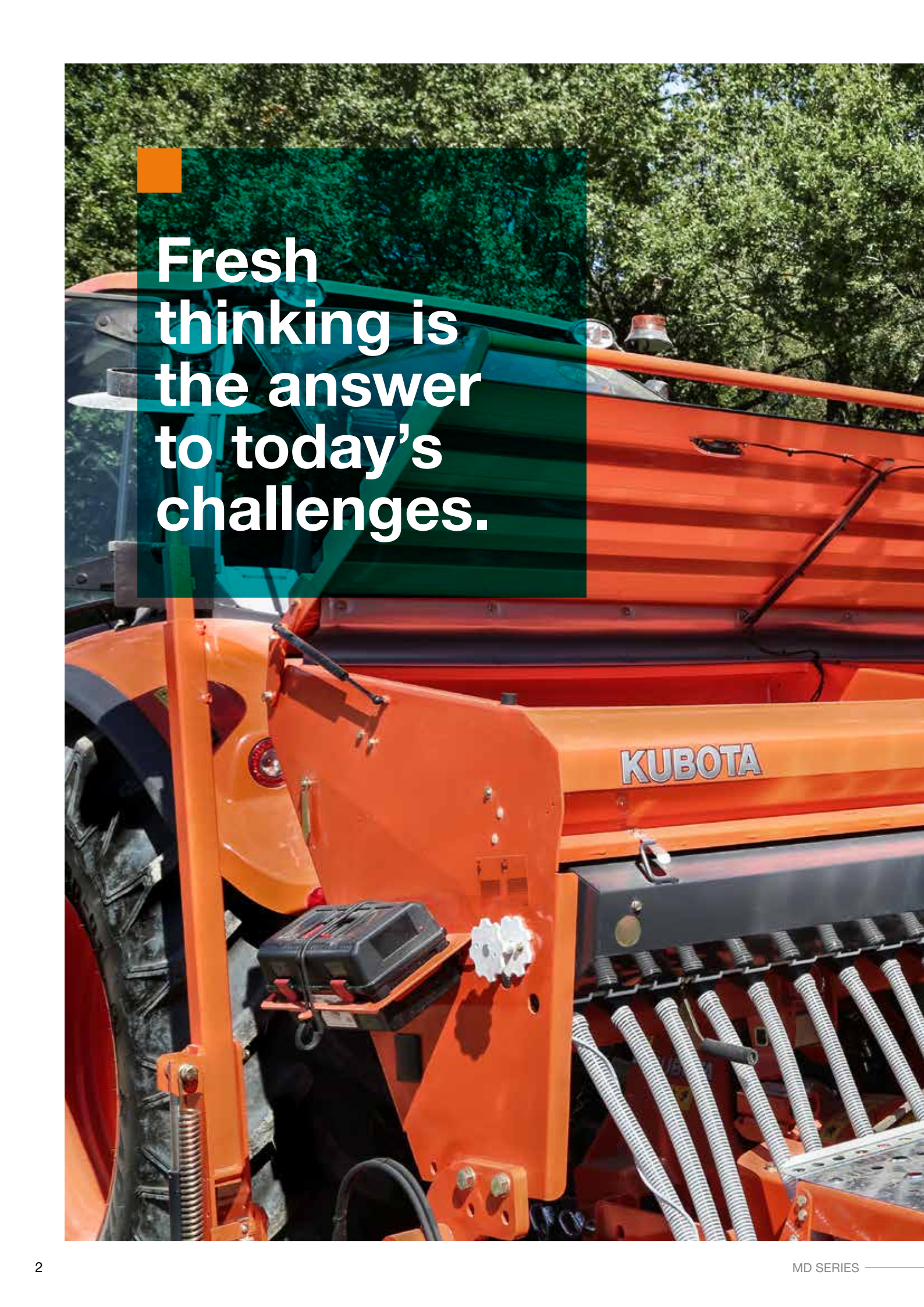
For Earth, For Life  
**Kubota**

**MD**

**KUBOTA  
MD SERIES**





A close-up photograph of a Kubota MD Series harrow. The machine is painted a vibrant orange. The word "KUBOTA" is printed in silver, block letters on the side of the harrow's frame. Below the frame, several parallel, curved metal tines are visible. A black control box with a digital display and buttons is mounted on the orange frame. The background shows a dense line of green trees under bright daylight. A semi-transparent teal rectangle is overlaid on the left side of the image, containing the text "Fresh thinking is the answer to today's challenges." in white, sans-serif font. A small orange square is positioned at the top left of this teal rectangle.

**Fresh  
thinking is  
the answer  
to today's  
challenges.**





The challenges facing the agricultural sector are becoming increasingly bigger. And when times are tough, only one thing helps: a new way of thinking. Envisaging alternative options and making smart decisions. For your next tractor purchase, this means opting for efficiency instead of image. For a tractor that can do tough work with top performance whilst under constant strain. And all that at a reasonable price. A Kubota tractor is exactly the right alternative at times like these.





# Ease to use and best in combination

Offering pioneering technology, Kubota is continually setting standards in agricultural technology – to help maximise your profits! Perfect seeding is the first step to high yields. Mistakes made at this early stage are difficult to correct. The seeding technology of Kubota meets these challenges and guarantees a tailor made seeding operation for a great variety of crops with optimum seed distribution and seed placement.





### **Seedbed preparation and seeding in on pass**

Kubota's clear machine layout with the high level of incorporated intelligent technology offers the user maximum ease of use, from set-up and filling, to transport and the active or passive seed bed preparation inclusive seeding operation. The combination makes it versatile to have everything done in one pass.

### **Easy lifting, handling and hopper filling**

The hopper can easily be filled using big bags, a front loader or a telescopic handler. The hopper can also be filled from a scissor trailer and grain auger. The large hopper capacity of up to 1,510 reduces the set-up time. The robust steel hopper cover protects the seed from dirt and rain. Due to the optimised position of the hopper the centre of gravity is close to the tractor.

### **Soil preparation & re-compaction**

The MD seed drill is flexible in use by combining either with the passive short tine cultivator TH1000 or with the rigid power harrow range of Kubota. Important is that a wide range of rollers is available to achieve a good re-compacted seedbed.

### **The metering device**

The easily accessible metering device system with its flexible seed carrier ensure an even dosing of both normal and fine seeds, ensuring the cleaning process for long durability. Each metering device can also be shut-off individually by a slide. A half width shut-off is standard on all machines along with a range of possible tramlining systems.

### **Did you know?**

Gonshiro Kubota founded the company because he could no longer stand to see people dying from contaminated drinking water. He began by manufacturing products for clean water supply. Since then, we have been offering various products that help to improve the living conditions of people and society. That's what "For Earth, For Life" stands for

### **Seed placement and covering**

The CX coulter is precise, and very easy to set up. It guarantees smooth running and requires less power to pull and less coulter pressure due to its flat design. The CX coulters can be equipped with narrow or wide press wheels. Harrowing the soil completes the seeding. A S-shaped harrow ensures an optimum covering of the seeds. The working intensity can be set by the angle and pressure adjustment.





# Safe operation and ease of handling

**If you are looking for perfect seeding of fine or bigger seeds – the Kubota MD mechanical seed drill offers with the one pass seedbed preparation and seeding the solution. From set-up plus filling, to transport and the active or passive seed bed preparation inclusive seeding operation. The MD ensures user-friendly handling and high versatility with the combination of seedbed preparation and seeding all done in one pass.**

### **The mechanically metering device**

The mechanically metering device of KUBOTA MD models ensures seed placement of fine or bigger seeds. It delivers seed quantities from 1 to 400kg per hectare. The specially shaped seed discharge gate ensures an even flow of both normal and fine seed.



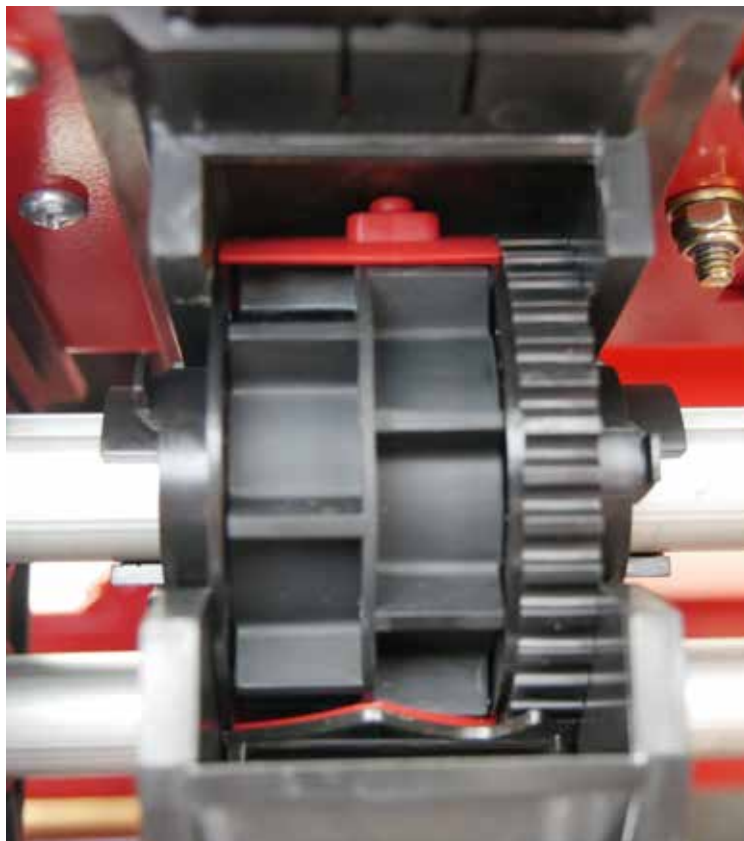
Easy exchange from normal to fine seeds by mounting/dismounting the cover of the crude seed wheel.

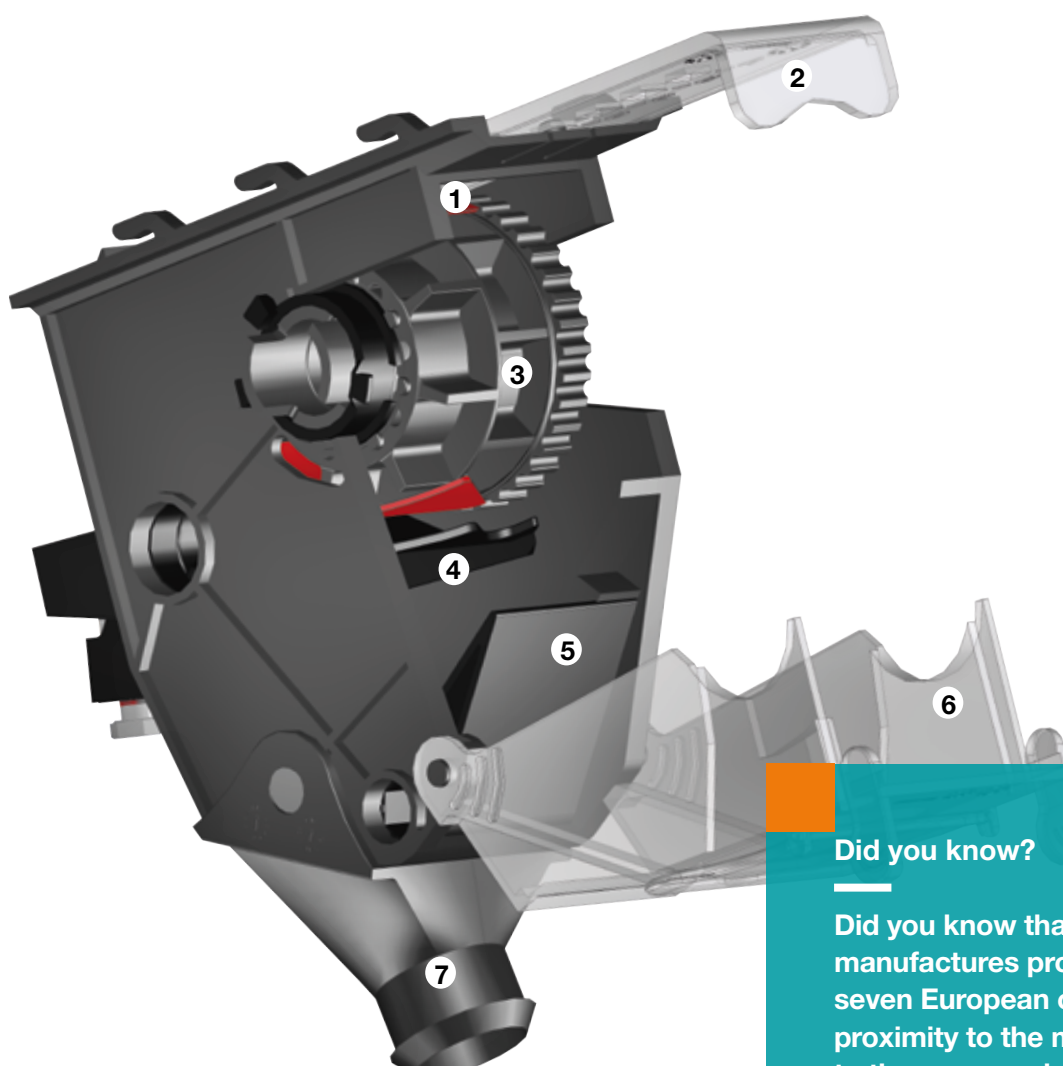
### **Calibration**

Two combined metering wheels are inside one metering housing and allow to change from normal to fine seed within minutes by mounting/dismounting the cover of the crude seed wheels. Each metering device can be shut-off by a slide.

An additional flap in the metering device effected an easy change between calibration, seeding and emptying. The lateral positioned stepless gearbox provides an extremely even drive safely, good access and additionally very easy operation.

The tank baffles guide directly the seeds to the metering system and retain very little in the tank between the metering units. This also helps to prevent seed from “sliding to one end” when drilling on slopes. The special tank geometry safeguards reliable operation even at low seed levels. The tank reserve indicator is height adjustable.





1. Cover crude seed wheel (red part)
2. Shut-off slide
3. Metering wheel
4. Bottom flap
5. Flap for work, calibration, emptying
6. Control window
7. Seeds outlet

#### Did you know?

Did you know that Kubota manufactures products in seven European countries? This proximity to the market is central to the company's philosophy. Each factory adheres to the same high Japanese quality standards, whether it is located in Germany, France or Japan.



The variable transmission determines the quantity of seed released per hectare.



Calibration trays support seeds collecting.



Tank baffles avoid sliding of the seeds.





### Did you know?

Did you know that Kubota produces its own engines and that Kubota is the global market leader for industrial diesel engines under 100 hp? You might be surprised to learn under which bonnets Kubota engines are at work. Top quality and efficiency are the main ingredients of this success.



The hydraulic coulters bar lift is available as option. It allows the power harrow to be used alone without the need to dismount the drill. The coulters bar is simply lifted out. This automatically disengages the land wheel and so deactivates the metering drive.





# Perfect seed placement with the CX coulters

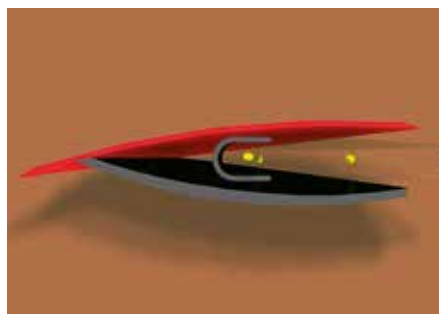
**Kubota offers with the CX disc coulters a combination of precision and very easy set-up. Beside the accuracy it guarantees smooth running and requires less power to pull.**

The CX-disc coulters ensure exact seed placement under both wet and dry conditions. Due to the combination of convex steel disc and flexible plastic disc, there is no need for independent scrapers. The convex steel disc forms a clean furrow with light recompaction and ensures good depth control. The flexible plastic disc keeps the furrow open for exact seed placement. In addition it cleans the steel disc and helps prevent sticking and blocking.

Narrow and wide press wheels are available which can be fully lifted in case of changing weather conditions.



CX coulters with narrow and wide press wheels







# Flexible and user-friendly is the key

**Kubota designed the MD seed drills to combine with Kubota rigid power harrows or short tine cultivators. In addition the soil preparation tools be used for solo or combined operation.**

### Compact in combination

Various options combined with best results after ploughing as well as with conservation tillage make the MD seed drill a real alternative among crop establishment systems.

User-friendly adjustment and clear scales facilitate easy setting of the machine depth and allow quick return to previous positions. The horizontal alignment of the machine is controlled by a simple indicator at the hopper.

One of the main advantages for operators is the constant depth control for the coulters, thanks to the direct link between the coulter bar and the roller over a parallelogram linkage system – additional settings due to tine wear on the power harrow are not necessary.

The seed drill can then rest securely on parking legs. The Interfaces for hydraulic and electric connections are located inside the heavy-duty headstock of the power harrow or tine cultivator and are easy coupled/decoupled.



Activating of the half-width shut-off.



Mechanical level indicator on the seed tank (electronic version available)



The MD1000MP can be detached very easily from the roller and power harrow. The seeder can then rest securely on parking supports.

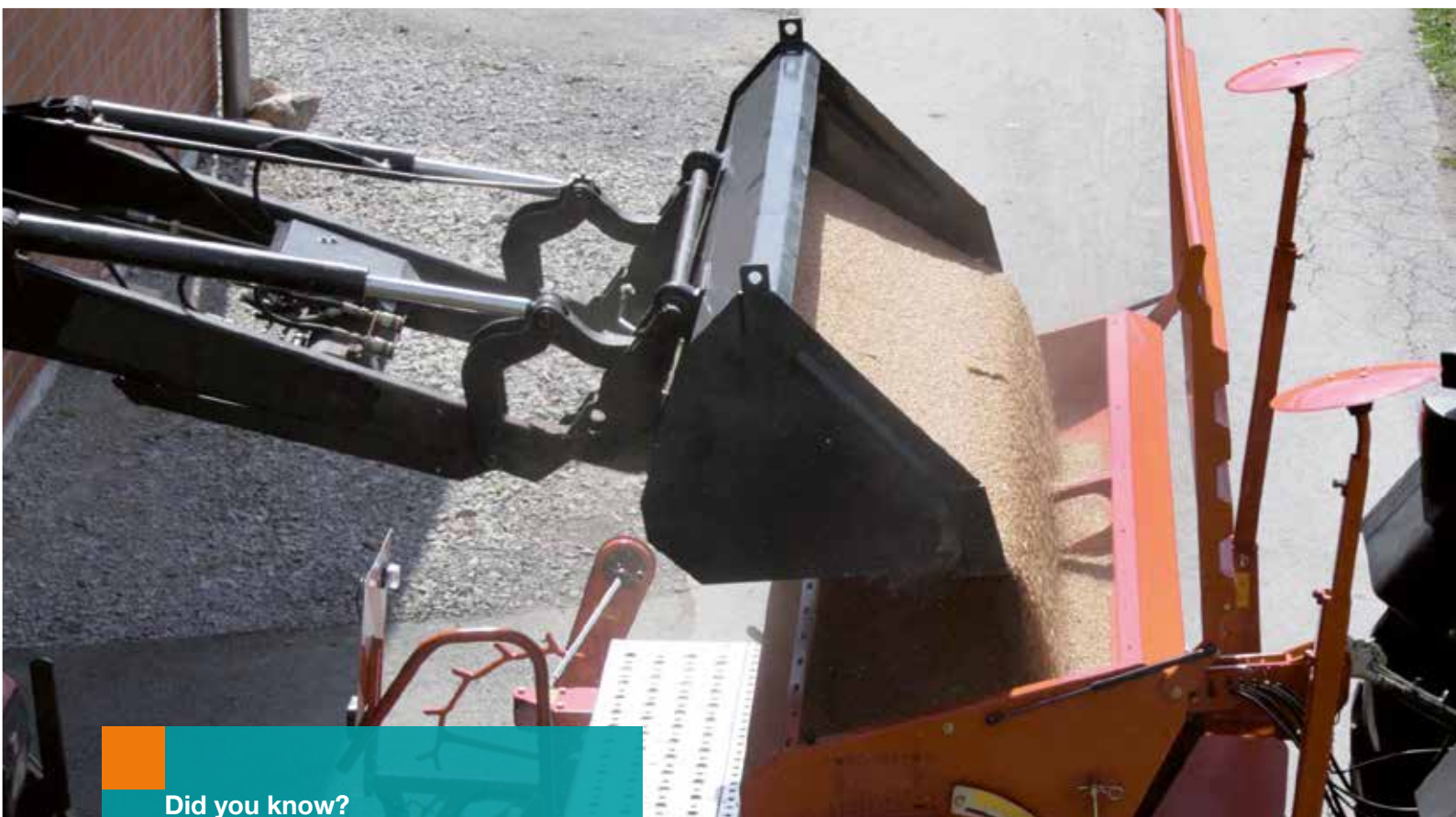


The working depth of the power harrow is easily adjusted on both sides of the machine for a constant harrow and seeding depth.



As soon as the MD1000MP is lifted, an integrated brake immediately stops the land wheel – and prevents over seeding on the headland.





### Did you know?

**Did you know that our parts are manufactured to the same high standards and strict specifications as the Kubota machines? Genuine parts will always work and fit as intended, and are guaranteed to keep your machine running at maximum performance.**

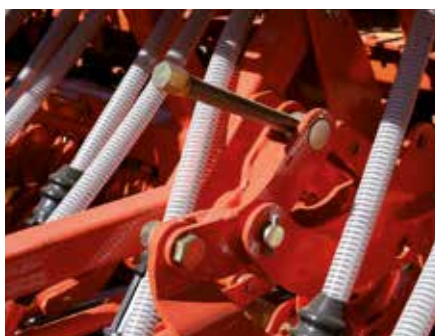
The hopper can easily be filled using big bags, a front loader or a telescopic handler.

Despite the integrated concept, the coulters bar can be lifted hydraulically out of work allowing the power harrow or tine cultivator also to be used solo without dismounting the drill.

As soon as the MD coulters bar is lifted, an integrated brake immediately stops the land wheel – and prevents over seeding on the headland. In addition there is the possibility to detach the MD very easy completely from the tine cultivator or power harrow.



The pressure and angle of the following harrow can be set manually to the soil conditions. The setting tool is provided as standard.



The placement depth of the seed coulters is set at the central coulters pressure adjustment.



In addition to the standard mechanical version a hydraulic coulters pressure adjustment is available to adjust the coulters pressure on the move from the cab according to soil conditions.



# Kubota Farm Solutions: 360° performance for 100% success

We understand that you need more than powerful tractors and implements to succeed: namely, an integrated system of products and services to increase your competitiveness and preparation for the future. With Kubota Farm Solutions (KFS), we have brought together our solutions in a system— and targeted our proposition to you. From intelligent technology to individual services, the KFS advantages complement each other, forming a circle that ends where it begins: with our commitment to support you a little better every time, now and in the future.







## Performance

You have a clear objective: to get your work done productively and successfully while being relaxed. Kubota offers you the equipment that can best support you in this endeavour. Whichever tractor or implements you decide on, you can always count on proven quality, excellent performance, and co-ordinated features. In short: intelligent and reliable technology that gets you a decisive step closer to your goal.



## Control

You want full control over what you are doing. Kubota provides you with perfectly integrated systems to help you achieve that. From machine optimisation to implement monitoring, you can control the tractor and resources easily from a single terminal. This not only provides you with a better overview of all work processes, but also allows you to work without stress.



## Optimisation

You know exactly how you want to get your work done: efficiently, precisely, and most comfortably. Kubota gives you everything you need to obtain optimal results while remaining at ease. With our ISOBUS technology, precision farming solutions, and automatic steering system, you can apply seeds, fertilisers, and pesticides with extreme precision. This lowers your costs and reduces your workload.



## Value protection

You know what it takes to be commercially successful: top performance with every task and top conditions over many years. Once again, Kubota offers solutions that fulfil what they promise. Our parts are manufactured to the same high standards and strict specifications as the Kubota machines.



## Finance management

You want to improve your productivity, but not at any cost. With Kubota Finance, you can make your planned investment with ease, convenience, and safety. Whether financing or leasing, you benefit from professional advice and attractive conditions. All you need in order to gain the advantages of a technology that drives your success forward. Whether you need machines or services, you have full control of the costs.



# #Technical data

Model		MD1300MP	MD1400MP
<b>Maschine type</b>		cultivator mounted	cultivator mounted
<b>Working width</b>	(m)	3.0	4.0
<b>Transport width</b>	(m)	3.0	4.0
<b>No. of coulters</b>	(no.)	24	29/32
<b>Min. power requirement</b>	(kW)	90	120
<b>Weight*</b>	(kg)	1,040	1,240
<b>Hopper</b>			
<b>Hopper capacity</b>	(l)	600	820
<b>Hopper extension</b>	(l)	○ (500)	○ (690)
<b>Hopper filling height</b>	(m)	1.50 – 1.70	1.50 – 1.70
<b>Quick emptying flap</b>		●	●
<b>Mechanical low level indicator</b>		●	●
<b>Electronic low level indicator</b>		○	○
<b>Lighting hopper inside</b>		○	○
<b>Parking leg for the hopper</b>		○	○
<b>Metering section</b>			
<b>Seed quantity (min. / max.) (kg)</b>	(kg)	1 - 400	1 - 400
<b>Gearbox infinitely adjustable</b>		●	●
<b>Half-width shut-off</b>		●	●
<b>Fine seed kit (cover grude seed wheel)</b>		●	●
<b>FGS tramline system</b>		○	○
<b>Signus tramline system</b>		○	○
<b>Mechanical hectare counter</b>		○	○
<b>Pre-ermergence markers</b>		○	○
<b>Hydraulic, vertically pivoting track markers with notched discs</b>		○	○
<b>Toolbox with calibration kit</b>		●	●
<b>Electric seed rate adjustment with Signus</b>		○	○
<b>2 calibration trays</b>		●	●
<b>Metering device control with Signus</b>		○	○
<b>Lighting equipment (transport)</b>		○	○
<b>Coulter &amp; Accessories</b>			
<b>CX-Coulter</b>		●	●
<b>Press wheel wide (280 x 65mm)</b>		○	○
<b>Press wheel narrow (250 x 26mm)</b>		○	○
<b>Mechanical coulter pressure adjustment</b>		●	●
<b>Hydraulic coulter pressure adjustment</b>		○	○
<b>Coulter bar lifting</b>		○	○
<b>10mm S-type following harrow</b>		○	○
<b>Loading steps / platform</b>		●	●
<b>Coulter bar parking legs</b>		●	●
<b>Lighting equipment (transport)</b>		○	○

\* fitted with platform, disc seed coulters and S-tine seed-covering harrows

● standard ○ option



The FGS tramlining system switches and regulates the tramlines. Manual correction to the tramline position is provided as standard. An optional tank reserve indicator can be integrated.



The electronic seeder controller Signus (option) provides the following advantages: (1) The seeding quantity can be adjusted from the tractor; (2) Sensors monitor the function of the meters; (3) Three hectare meters (day, season, total) are integrated







*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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