

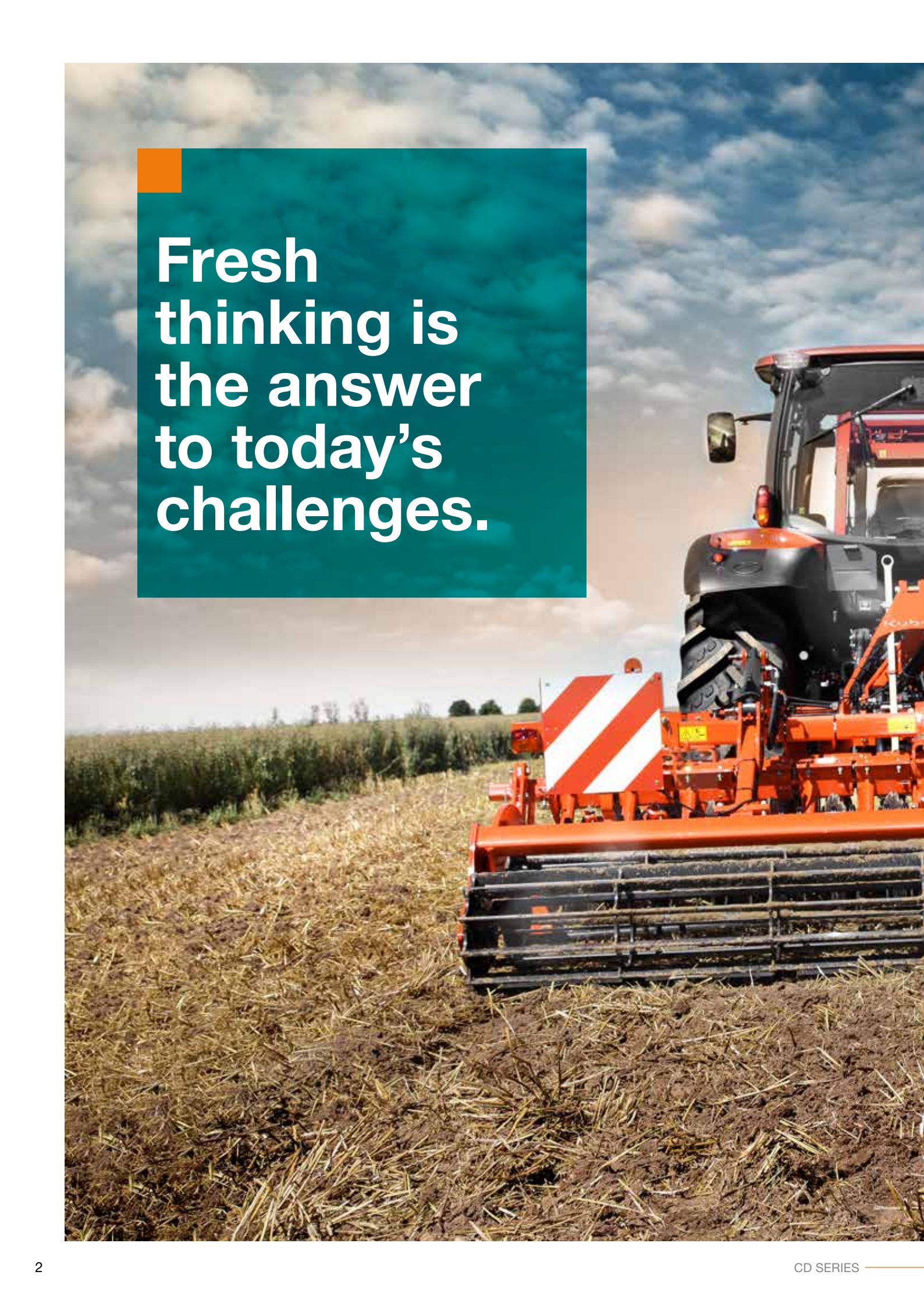
For Earth, For Life  
**Kubota**

**CD**

**KUBOTA  
CD SERIES**







**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.







#Highlights

# CD1200-1600T & CD2250-2700T: Full range from small to wide, shallow cultivation and seedbed preparation

**Why a Kubota high performance short disc harrow?**

The Kubota range of high performance short disc harrows has been designed to offer machines for all farm sizes and optimum soil and residue incorporation to promote weed germination. Ready for shallow as well as deeper soil surface cultivation.



**CD1000 series**  
2.00m up to 4.00m



**CD1000F series**  
4.00m up to 6.00m



**CD1000T series**  
4.00m to 6.00mm





**CD2000 series**  
2.50m up to 4.00m



**CD2000F series**  
4.00m up to 6.00m



**CD2000T series**  
4.00m up to 7.00m







# High capacity and cutting performance

The Kubota short disc harrows operate at high forward speeds of up to 20km/h and cultivate at a working depth from 2 to 15cm whilst maintaining constant cutting from shallow and deep stubble cultivation, seedbed preparation after ploughing as well as for incorporation of catch crops due to the large conical discs and the high inter-row distance of 900mm. When the time is right, you need a machine that has the right capacity to finish the job perfectly.



## 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.



### CD2000: Strong, user-friendly and universal

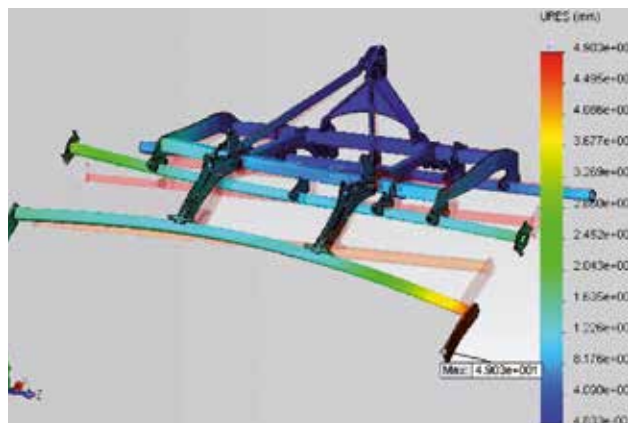
Stubble cultivation is of major importance within conservation tillage: Lots of farms are working less than 15cm deep for most of the operations like seedbed preparation or first stubbling operations. It incorporates weed and volunteer cereal seeds into the soil with intensive mixing and promotes their germination for a more efficient subsequent treatment. The even incorporation of the straw presents a key factor for seed germination. The CD2000 is ready for shallow as well as for deeper cultivation and of course the mixing of the straw. It also shows excellent performance with large amounts of residue (straw, intermediate green crops, etc.) thanks to its 600mm discs.

### CD1000: Ideal for reducing soil compaction

The CD1000 series is a lighter execution of the CD2000 series for more shallow use from 2.0m to 6.0m mounted and from 4.0m to 6.0m trailed working width. This machine is for farmers who want to use the compact disc harrow up to 10 cm deep. Consequently, the machine is 15% lighter on mounted version and 7% on trailed models, easier to lift, ideal for reducing soil compaction and more economic for farmers.

### Load tests

The frames are a result of a long study made by FEM (Finite Element Method) calculation to optimise the steel over the working width and proposing a strong structure. Different scenarios have been chosen to make sure that it is able to resist even with the most aggressive angles while turning etc.



### 3 Steps: Tillage - Levelling - Consolidating

The Kubota CD2000 series (600mm) and CD1000 (520mm) offer two rows of discs. Each conical disc is heat-treated and mounted with elastic rubber buffers. The high inter-row distance of 900mm ensures optimal soil flow and preparation. On ploughed land a clod board can be mounted on trailed CD models to adjust the machines to different conditions and tasks.

The Kubota short disc harrows offer lateral side deflectors as standard and an optional integrated finger harrow to regulate the soil flow and to achieve a perfect levelling.

Perfect seedbed preparation ends with consolidation. Therefore, a wide range of rollers are available to meet the various conditions such as Actipack ø560mm, Actiflex ø580mm or Actiring ø540mm, but also the reinforced cage roller ø550mm, the double cage roller ø400mm and the Actipress Twin roller ø560mm.







## Did you know?

Did you know that Kubota is not only one of the top-50 most recognised brands in Japan, but also one of the largest tractor manufacturers in the world? In 2014 alone, Kubota produced more than 180,000 tractors.



58HRC



Big notched







# Large, robust, maintenance free conical disc and arm

**The unique design feature allows for a reduction in weight and an increase in strength. The hollow design of the arms withstand high front and lateral loads and the special profile provides good soil flow even with larger volumes of plant residues.**

## **Perfect cutting angle**

The upper part of the arm is fitted with special brackets to avoid any lateral movement: the cutting angle is fixed to ensure an optimum cutting quality even under the driest of conditions. The rear disc section operates offset to the front unit to provide optimum performance and residues incorporation.

## **A rubber shock system adjusted to the size of the disc and working speed**

The rubber buffers absorb any shock loads from contact with unforeseen obstacles. If the forces become too high, the disc arms will rotate to overcome the obstacle thus protecting the implement.

## **Maintenance-free bearings**

Each angled arm is fitted with a large maintenance free double ball bearing and 35mm axle. This high quality bearing is able to carry heavy radial and axial loads. Special protection on the side of the arm is achieved by a special seal of 5 sealing lips and by the joint protecting the bearing. On the other side the disc is protected against dust by an O-ring. The quality of the bearing and the material used allows a warranty period on the machine for two years.







# Impeccable cutting quality for constant depth

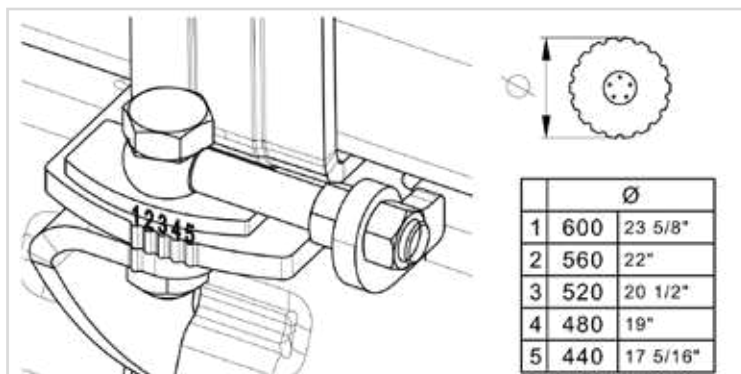
**You are looking for an always good cutting quality, therefore overlapping on the disc rows of the CD2000 series can be adjusted to each other because the size of the discs is important. This ensures that the soil is cut over the entire working width independently however the disc diameter changes. Simple and efficient. CD1000 models can be adjusted in two positions due to their rotating disc gangs.**





#### A lateral adjustment for perfect cutting quality

In order to maintain the optimum cutting quality and to be able to wear the disc as much as possible while maintaining a perfect cutting quality, the CD2000 Series is fitted with a lateral adjustment which allows the gangs to be positioned correctly as the disc diameter reduces. A decal on the frame shows the adjustment of the disc sections according to the diameter – simple and efficient! NB: not available on CD1000 series.



#### 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.

#### Long lasting large conical disc

In order to achieve a perfect cutting quality even at a shallow working depth, the CD2000 series is fitted with a disc of large diameter of Ø 600 x 6mm). This increase in diameter allows ease of operation in the highest volumes of vegetable residues, as for example: intermediate crops which have to be destroyed before the seeding of the following crop. The notched discs improve its penetration and rotation irrespective of any plant residues. All CD1000 models get a disc of Ø 520 x 5mm.

The discs are given a special heat treatment at 215 kg/mm<sup>2</sup> (58 HRC) for a long durability and strength. Thus, the machine longevity has been increased and the maintenance costs reduced. Ask for the quality of Kubota!

#### A constant cutting angle

Irrespective of the diameter of the disc, the cutting angle is always constant due to its conical design.





# Versatile to meet the various conditions



Consolidation is an elementary action of arable farming. Reducing large open pores and aggregate size allows for improved seed-to-soil contact and keeping the water necessary for the next crop germination. The right choice of the right roller depends on the soil type and conditions. Also, lifting capacity of the tractor needs to be considered. Therefore, Kubota offers a wide range of maintenance-free rollers to finalise the levelling and re-consolidation of the soil.



#### **The following harrow**

The following harrow in front of the roller is bent at the root and allows a regulated progressive soil flow without too much power requirement.



#### **Clod Board (option on trailed models)**

The clod board increases the crumbling performance on ploughed land and ensures active levelling due to the high vibrations of the cracker tines. The aggressiveness of the clod board can be adjusted hydraulically from the cab. clod board can be easily set in the off position.





### Did you know?

Did you know that Kubota is an ISOBUS pioneer? The Kubota company Kverneland Group invented the ISOBUS technology. And incidentally: Kubota is also leading the industry in AEF certified ISOBUS compatibilities

### Rollers for all type of soil

All Kubota rollers have maintenance-free bearings which are protected with 5 sealing lips against dust and water. In heavier conditions like stones, twine, mud etc. additional steel covers extend the lifetime of the bearings.



#### Actipack ø 560mm - 205 kg/m

The Actipack roller displays its superb working qualities especially on medium to heavy soils and also in wet, stony and sticky conditions thanks to the independent skids and adjustable knives.



#### Actiring ø 540mm - 160 kg/m

The Actiring roller using the same frame structure and knife system than the Actipack but discs are replaced by a "V" profile ring. This saves 60kg/m, which is of critical importance for reducing lifting capacity. Actiring is not recommended in stony conditions.



#### Actiflex ø 580mm - 160 kg/m

The Actiflex roller has been made to create an intensive mixing and create a nice seedbed with all soil types, even stony conditions. The rings made with spring steel are separated by skids to have a high resistance against stress at high speed and enhance weeds regrowth after harvesting.



#### Cage roller ø 550mm - 90 kg/m

10 bars ensure a good loading capacity and effective crumbling actions even in wet conditions.



#### Double cage roller ø 400mm (tube/flat) - 160 kg/m

The double cage roller ensures a good crumbling and levelling effect. It has a high carrying capacity and it is used for precise depth control.



#### Actipress Twin ø 560mm - 220kg/m

The u-profile ensure high carrying/rolling capacity and self-cleaning effect especially for light soils. Due to the fact that there is no direct compaction as it is made with the soil contact, plough pans are avoided. Weight with soil 250kg/m.





# User comfort and ease of handling

**If you are looking for safe operation and user comfort, Kubota always makes the adjustment operation easy and safe for the user, for saving precious time and resources all along the day. That's why all the adjustments can be done without any tool.**

### Ease to use

All the adjustments can be done without the need for tools, a lot of precious time is saved! The working depth can be easily adjusted by pivoting spacers, even if it is manually or hydraulically adjusted. At any time during operation the weight of the roller can be used to improve penetration with both systems. With the cylinders locked via a special lock valve, the depth will be constant. With the mechanical adjustment by spacer (only on mounted version), the roller weight is transferred to the machine thanks to a locking bush. In both cases, the roller weight can be used to improve the penetration.



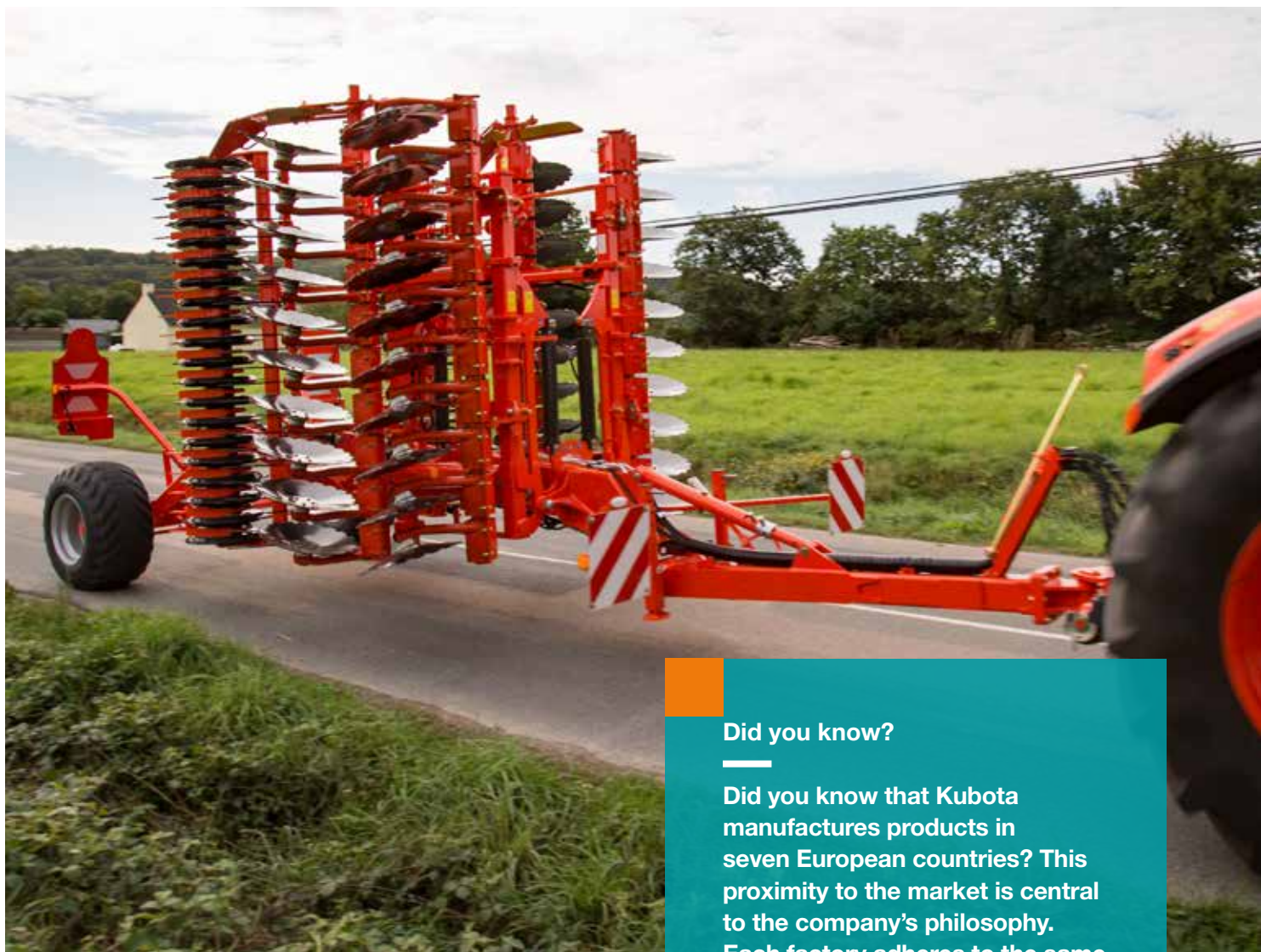
The working depth can easily be adjusted by pivoting spacers, no matter if it is manually (only on mounted models) or hydraulically.



The adjustable lateral side deflectors on the right and left-hand side control the soil flow to provide a perfect level finish. All discs are working at the same depth, even the outer ones. The lateral deflectors are parallelogram mounted which allows them to follow the ground contours and control the soil flow at the same time.



On trailed models additional gauge wheels of 340/55x16 (option) can be mounted in front of the discs to ensure better machine stability and a constant depth control during operation. The working depth can be easily adjusted by spacers at the depth cylinders as with the rollers.



#### 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.

#### Safe on the road and quick in the field

The CD models can easily be converted from transport to work position. The hydraulic transport locking device unlocks automatically when unfolding. The two-part hydraulic folding gives a transport width of max. 2.75m. The hydraulic suspension ensures smooth running and safe road transport.



The CD1000T and CD2000T are extremely stable as they are equipped with a double suspension device that protects the frame against stress and increase tremendously the stability of the machine during work.





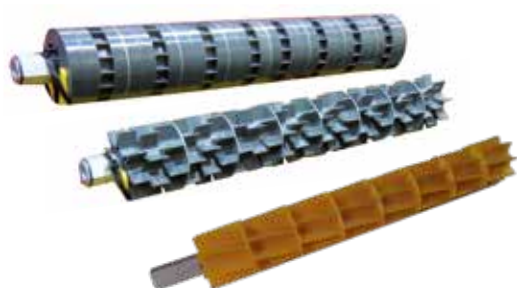
## Stubbling and seeding of cover crops in one pass

The EU nitrate directive aims to protect water resources classed as vulnerable with 50mg nitrate/l. One of the measures considered avoiding nitrate leaching in the water source is the systematic coverage of soils by a vegetal cover in autumn. This cover will absorb nitrogen from the soil and air, and converts it into organic nitrogen compounds. The cover will then release nitrogen to the next crop (1/3), hereby improving soil structure and protecting it from erosion.



### 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.



### Cover Crops

There are many reasons to promote the establishment of intermediate crops such as mustard, radish, phacelia or crops mixings in the autumn. These covering crops will catch the mineral nitrogen in the soil as well as air nitrogen when mixing with leguminous plants and transform it into organic nitrogen. Thus, the nitrogen will still be available for the next crops. Moreover, covering the soil in the autumn protects the soil against erosion and improves the soil structure.

SH200 and SH500 with 200l or 500l hopper capacity have been designed to meet a rapid implementation of cover crop during stubble operations while minimizing their costs. In addition, they can also be used for establishing rape or mix of different diameters seeds (leguminous plant, crucifers, ...).

### Precision and High Work Output

Two models are available which differ in the seed rate/ha and the output of the machine: The SH200 will be used for rather small seed sizes with a low seed rate/ha, whereas the SH500 would be preferred with higher seed rate (25 to 50 kg/ha - mix of seeds, grass, etc ...) in order to maintain a significant autonomy even with wide machines. Both models have 8 outputs which will spread the flow of seeds uniformly over the working width.



### Fans adapted to Seeds, Working Speed and Width

- The SH series can be equipped with two types of fan:
- An electric fan recommended for small seeds and allowing seed rates of 4 kg/min (for a machine 50kg/ha - 4m working width at 12km/h)
- A hydraulic fan for flow rates up to 14 kg/min

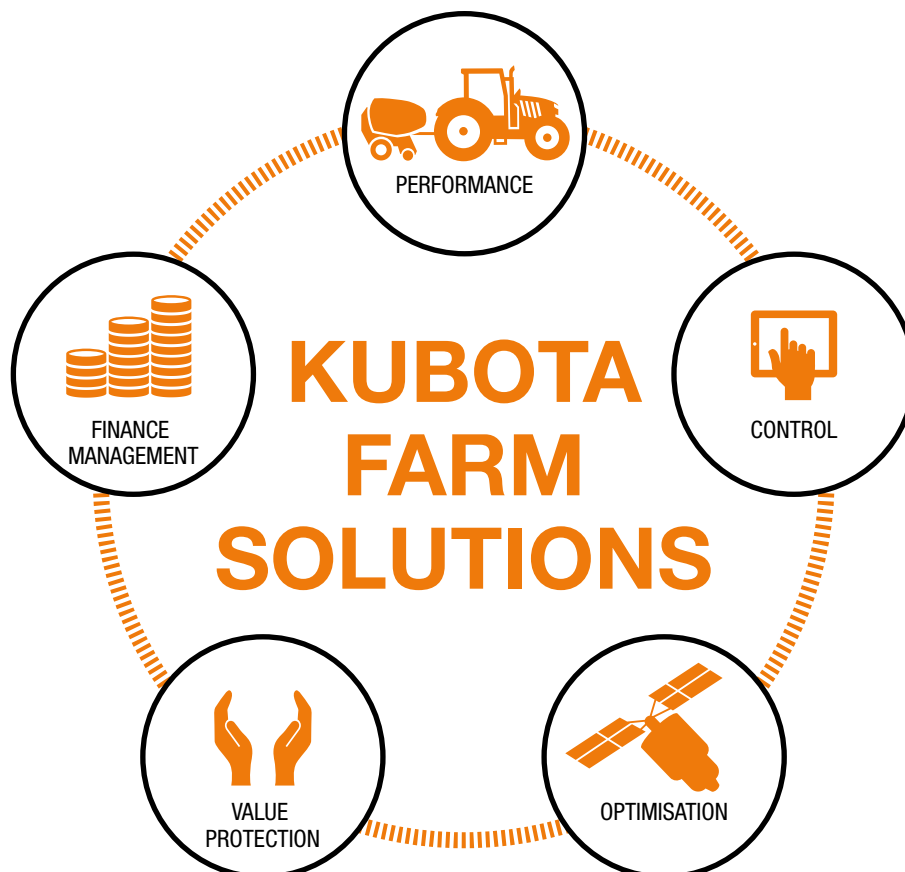
### Seed Metering Rotors for all Conditions

The SH200 and SH500 are delivered with two types of rotor: one for small seeds (rape, mustard, cabbage, clover, etc ...), and a medium rotor for seeds (vetch, grass, sunflower, ...). The agitator placed above the rotor ensures a steady stream of seeds. A brush, located at the base of the rotor, will regulate the flow and improve the setting accuracy. For large seeds (peas, horse beans, etc ...), it is strongly advised to choose the Flex rotor option, which is able of deforming with large seed diameter.



# 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 series		CD1000					CD1000F		
Model		CD1200	CD1250	CD1300	CD1350	CD1400	CD1400F	CD1500F	CD1600F
Frame		mounted rigid					mounted fold		
Working width	(m)	2.0	2.5	3.0	3.5	4.0	4.0	5.0	6.0
Transport width	(m)	2.0	2.5	3.0	3.5	4.0	2.45		
Number of discs		16	20	24	28	32	32	40	48
Disc diameter - Hardness		520x5 mm - 215kg/mm <sup>2</sup>					520x5 mm - 215kg/mm <sup>2</sup>		
Inter-row distance	(mm)	900					900		
Disc spacing	(mm)	245					250		
Working depth	(cm)	2-10					2-10		
Linkage		Cat. II and Cat. III					Cat. III		
Underbeam clearance	(mm)	794					794		
Depth adjustment		Hydraulic or mechanic by spacer					Hydraulic or mechanic by spacer		
Finger harrow (400x10mm)		○					○		
Clod board		-					-		
Roller offering		Cage roller (ø 550mm), Double Cage roller (ø 400mm), Actiring (ø 540mm), Actiflex (ø 580mm), Actipack (ø 560mm), Actipress Twin (ø 560mm) - not on 4m rigid version					Cage roller (ø 550mm), Double Cage roller (ø 400mm), Actiring (ø 540mm), Actiflex (ø 580mm), Actipack (ø 560mm), Actipress Twin (ø 560mm) - not on 6m fold version		
Transport wheels		-					-		
Gauge wheels		-					-		
Double suspension device		-					-		
Frame box section		100x100x8					100x100x8 and 200x200x10 (central frame)		
No. of double acting valves		1 or 0					2 or 1		
Brake		-					-		
Integrated seeder a-drill 200/500		○					○		
Total weight with Cage roller*	(kg)	1109	1274	1434	1695	1891	2365	2777	3215
Total weight with Actiflex*	(kg)	1242	1448	1649	1950	2268	2631	3125	3645
Total weight with Actipack *	(kg)	1349	1570	1785	2100	2419	2845	3369	3917
Min. HP		50	55	70	90	110	110	130	150
Max. HP		100	120	150	180	200	200	250	300

● Standard equipment      ○ Option      - Not available

\* Weights rigid machines calculated with hydraulic depth adjustment and lighting equipment; trailed models calculated with finger harrow, hydraulic depth adjustment, lighting equipment and front gauge wheels.  
 \*\* Pivoting eye, Fixe eye and drawbar extension not allowed in Germany; Fixe eye not allowed in France



CD1000T		
CD1400T	CD1500T	CD1600T
trailed		
4.0	5.0	6.0
2.5		
32	40	48
520x5 mm - 215kg/mm <sup>2</sup>		
900		
250		
2-10		
Cross shaft Cat. III or Cat. IV N, pivoting or fixe eye Ø50mm**		
794		
Hydraulic by spacer		
○		
○		
Cage roller (ø 550mm), Actiring (ø 540mm), Actiflex (ø 580mm), Actipack (ø 560mm)		
400/60x15.5, 480/45x17 or 520/50x17		
2x340/55x16		
●		
100x100x8 and 300x200x10		
4 or 3		
hydr. or pneumatic		
○		
3460	3882	4286
3726	4230	4716
3940	4474	4988
130	150	170
220	260	300

# #Technical data

Model series	CD2000					CD2000F		
Model	CD2200	CD2250	CD2300	CD2350	CD2400	CD2400F	CD2500F	CD2600F
Frame	mounted rigid					mounted fold		
Working width (m)	2.0	2.5	3.0	3.5	4.0	4.0	5.0	6.0
Transport width (m)	2.0	2.5	3.0	3.5	4.0	2.55	2.55	2.55
Number of discs	16	20	24	28	32	32	40	48
Disc diameter - Hardness	600x6 mm - 215kg/mm <sup>2</sup>					600x6 mm - 215kg/mm <sup>2</sup>		
Inter-row distance (mm)	900					900		
Disc spacing (mm)	245					250		
Working depth (cm)	3-15					3-15		
Linkage	Cat. II and Cat. III					Cat. III		
Underbeam clearance (mm)	794					794		
Depth adjustment	Hydraulic or mechanic by spacer					Hydraulic or mechanic by spacer		
Finger harrow (400x10mm)	O					O		
Clod board	-					-		
Roller offering	Cage roller (ø 550mm), Double Cage roller (ø 400mm), Actiring (ø 540mm), Actiflex (ø 580mm), Actipack (ø 560mm), Actipress Twin (ø 560mm) - not on 4m rigid version					Cage roller (ø 550mm), Double Cage roller (ø 400mm), Actiring (ø 540mm), Actiflex (ø 580mm), Actipack (ø 560mm), Actipress Twin (ø 560mm) - not on 6m fold version		
Transport wheels	O					O		
Gauge wheels	-					-		
Double suspension device	-					-		
Frame box section	100x100x8					100x100x8 and 200x200x10		
No. of double acting valves	1 or 0					2 or 1		
Brake	-					-		
Integrated seeder a-drill 200/500	O					O		
Total weight with Cage roller* (kg)	1390	1509	1720	1937	2197	2766	3226	3782
Total weight with Actiflex* (kg)	1564	1683	1935	2192	2574	3032	3574	4212
Total weight with Actipack * (kg)	1671	1805	2071	2342	2725	3246	3818	4484
Min. HP	50	70	90	110	130	150	170	190
Max. HP	160	180	200	220	240	250	300	350

● Standard equipment    O Option    - Not available

\* Weights rigid machines calculated with hydraulic depth adjustment and lighting equipment; trailed models calculated with finger harrow, hydraulic depth adjustment, lighting equipment and front gauge wheels.

\*\* Pivoting eye, Fixe eye and drawbar extension not allowed in Germany; Fix eye not allowed in France



CD2000T			
CD2400T	CD2500T	CD2600T	CD2700T
trailed			
4.0	5.0	6.0	7.0
2.75	2.75	2.75	2.75
32	40	48	56
600×6 mm - 215kg/mm <sup>2</sup>			
900			
250			
3-15			
Cross shaft Cat. III or Cat. IV N, pivoting or fixe eye Ø50mm**			
794			
Hydraulic by spacer			
○			
○			
Cage roller (ø 550mm), Actiring (ø 540mm), Actiflex (ø 580mm), Actipack (ø 560mm)			
400/60×15.5, 480/45×17 or 520/50×17			
2×340/55×16			
●			
100×100×8 and 300×200×10 (central frame)			
4 or 3			
hydraulic or pneumatic			
○			
3908	4376	4960	5421
4174	4724	5390	5931
4388	4968	5662	6231
150	170	190	210
250	300	350	400

*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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