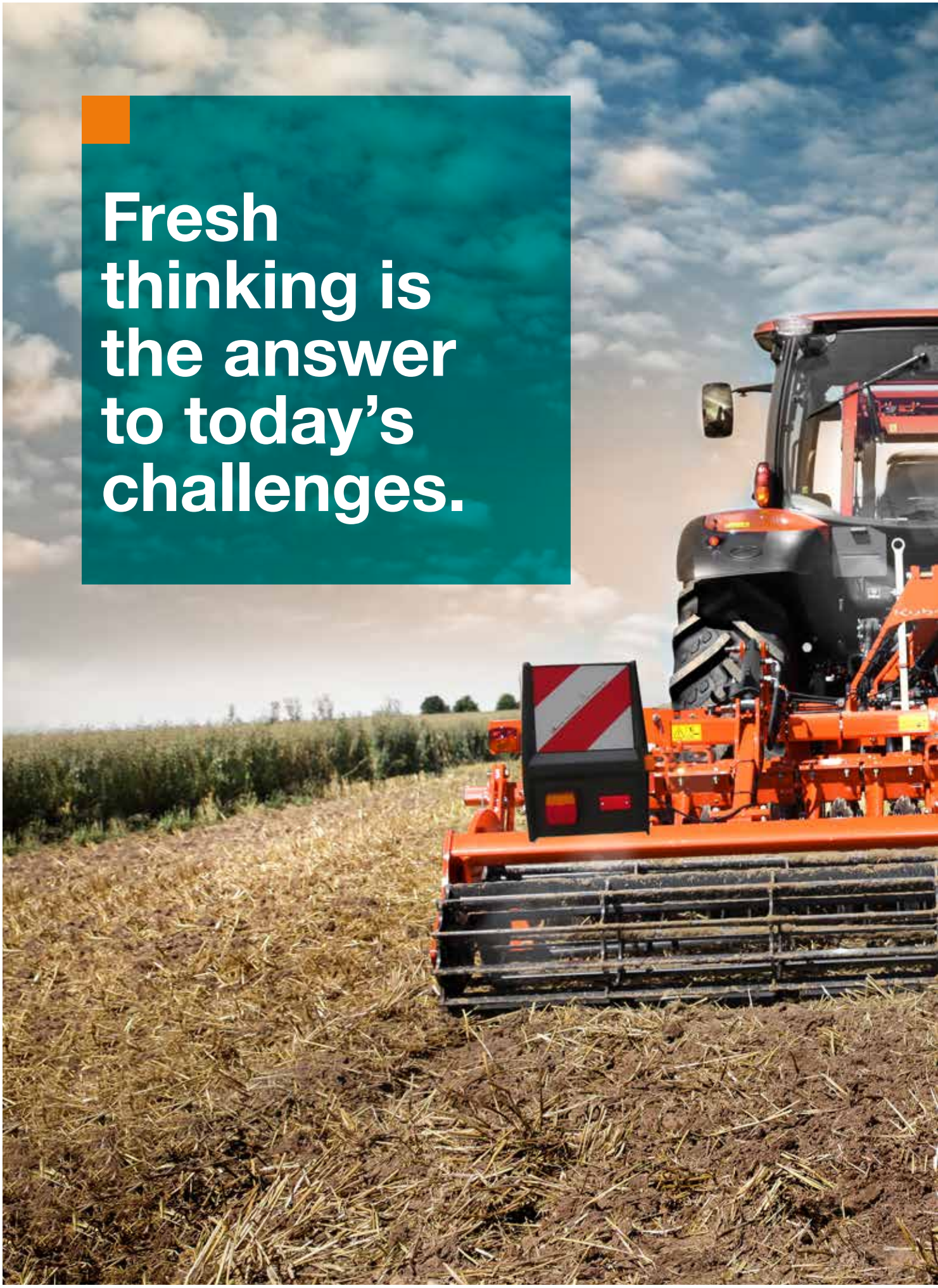
For Earth, For Life

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.

CD1201-1601T & CD2201-2701T: Maximum flexibility for deep to 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.

CD1001 series
2.00m up to 4.00m

CD1001F series
4.00m up to 6.00m

CD1001T series
4.00m to 6.00m

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

CD2001 series
2.00m up to 4.00m

CD2001F series
4.00m up to 6.00m

CD2001T series
4.00m up to 7.00m

High capacity and cutting performance

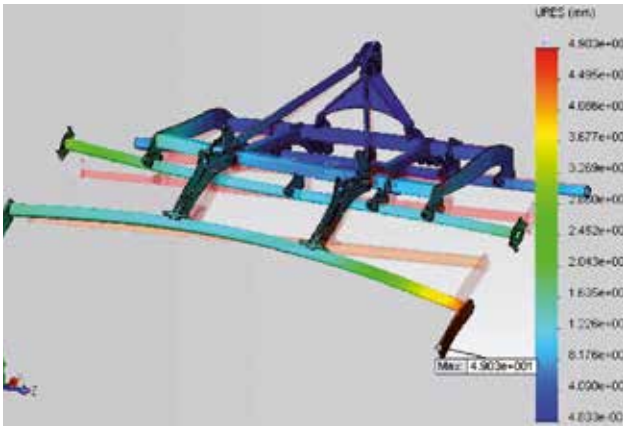
The Kubota short disc harrows operate at high forward speeds of up to 20km/h and cultivate at a working depth from 2 to 15cm whilst maintaining constant cutting from shallow and deep stubble cultivation, seedbed preparation after ploughing as well as for incorporation of catch crops due to the large 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.

CD2001: 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 CD2001 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.

CD1001: Ideal for reducing soil compaction
The CD1001 series is a lighter execution of the CD2001 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.

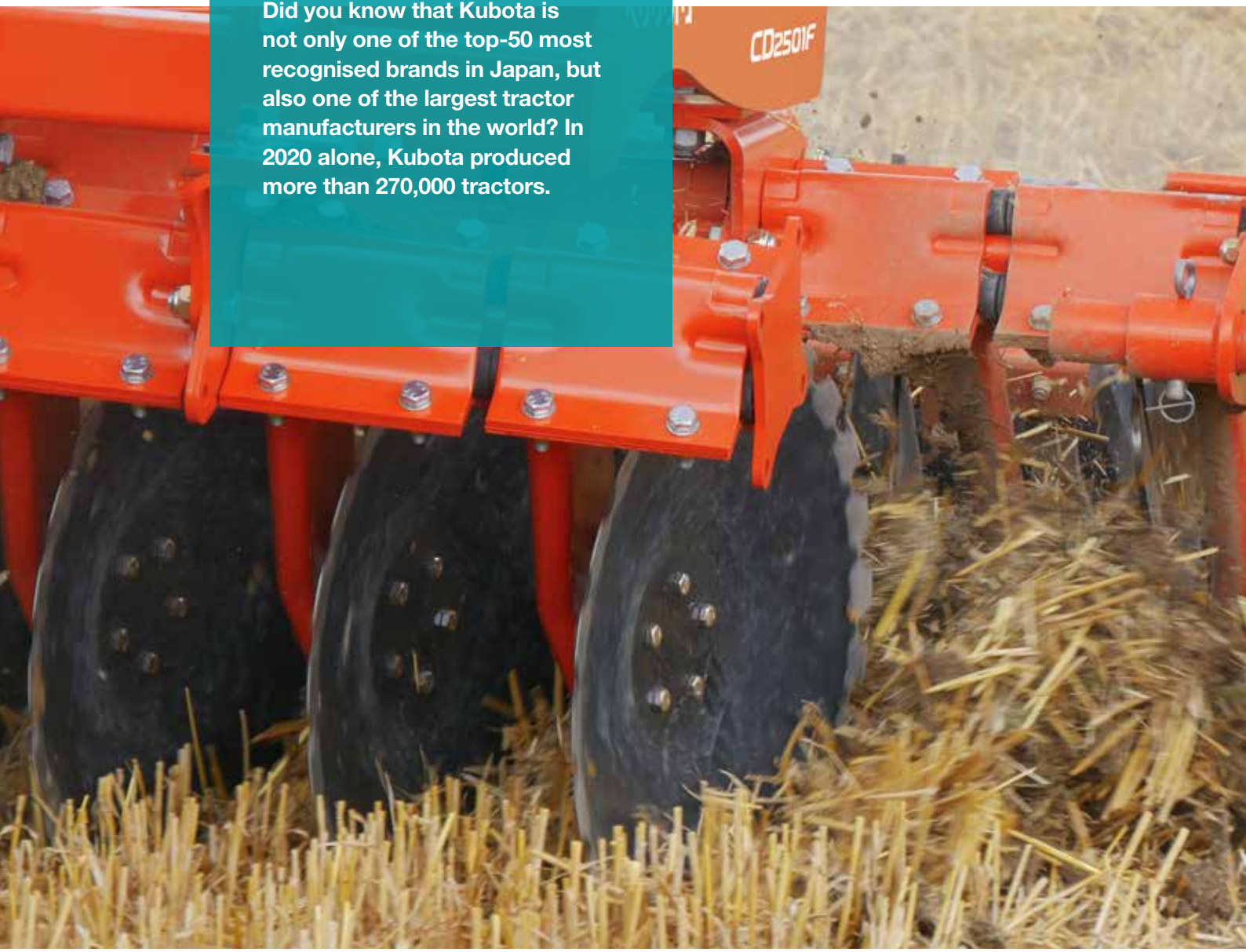
3 Steps: Tillage - Levelling - Consolidating
The Kubota CD2001 series (600mm) and CD1001 (520mm) offer two rows of discs. Each conical disc is heat-treated and mounted with elastic rubber buffers. The high inter-row distance of 900mm ensures optimal soil flow and preparation. On ploughed land a Clod 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 2020 alone, Kubota produced more than 270,000 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.

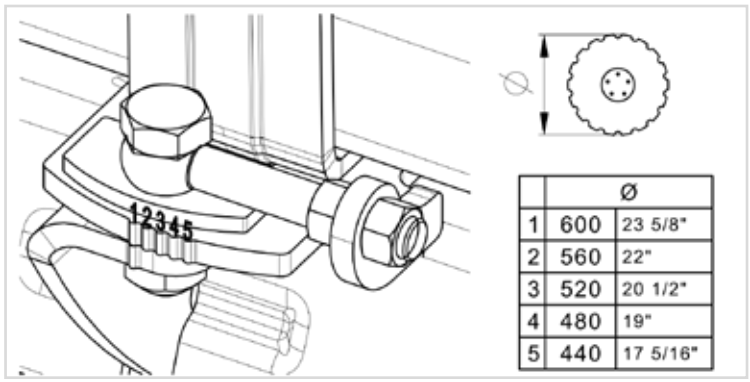
Impeccable full cutting quality at constant depth

You are looking for an always good cutting quality, therefore overlapping on the disc rows of the CD2001 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. CD1001 models can be adjusted in two positions due to their rotating disc gangs.

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.

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 CD2001 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 CD1001 series.



	Ø	
1	600	23 5/8"
2	560	22"
3	520	20 1/2"
4	480	19"
5	440	17 5/16"

Long lasting large conical disc
In order to achieve a perfect cutting quality even at a shallow working depth, the CD2001 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 CD1001 models get a disc of Ø 520 x 5mm.

The discs are given a special heat treatment at 215 kg/mm² (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 cload board increases the crumbling performance on ploughed land and ensures active levelling due to the high vibrations of the cracker tines. The agressiveness of the Clod Board can be adjusted hydraulically from the cab. The Clod Board can be easily set in the off position.

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.

Actipress Twin ø560mm - 220 kg/m
The u-profile ensure high carrying/rolling capactiy 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 can reach 250kg per meter.

Actipress Single ø560mm - 140 kg/m
U-profile rings in distance according to seed row distance. Weight with soil +7kg per ring. Recommended on lighter soils.

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.

Single finger following harrow
In combination with a roller, an extra single finger harrow (Ø12 x 450mm) can be mounted for additional levelling effect and mechanical weed control. The working angle can be adapted.

Cage roller ø 550mm - 90 kg/m
10 bars ensure a good loading capacity and effective crumbling actions even in wet conditions.

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.

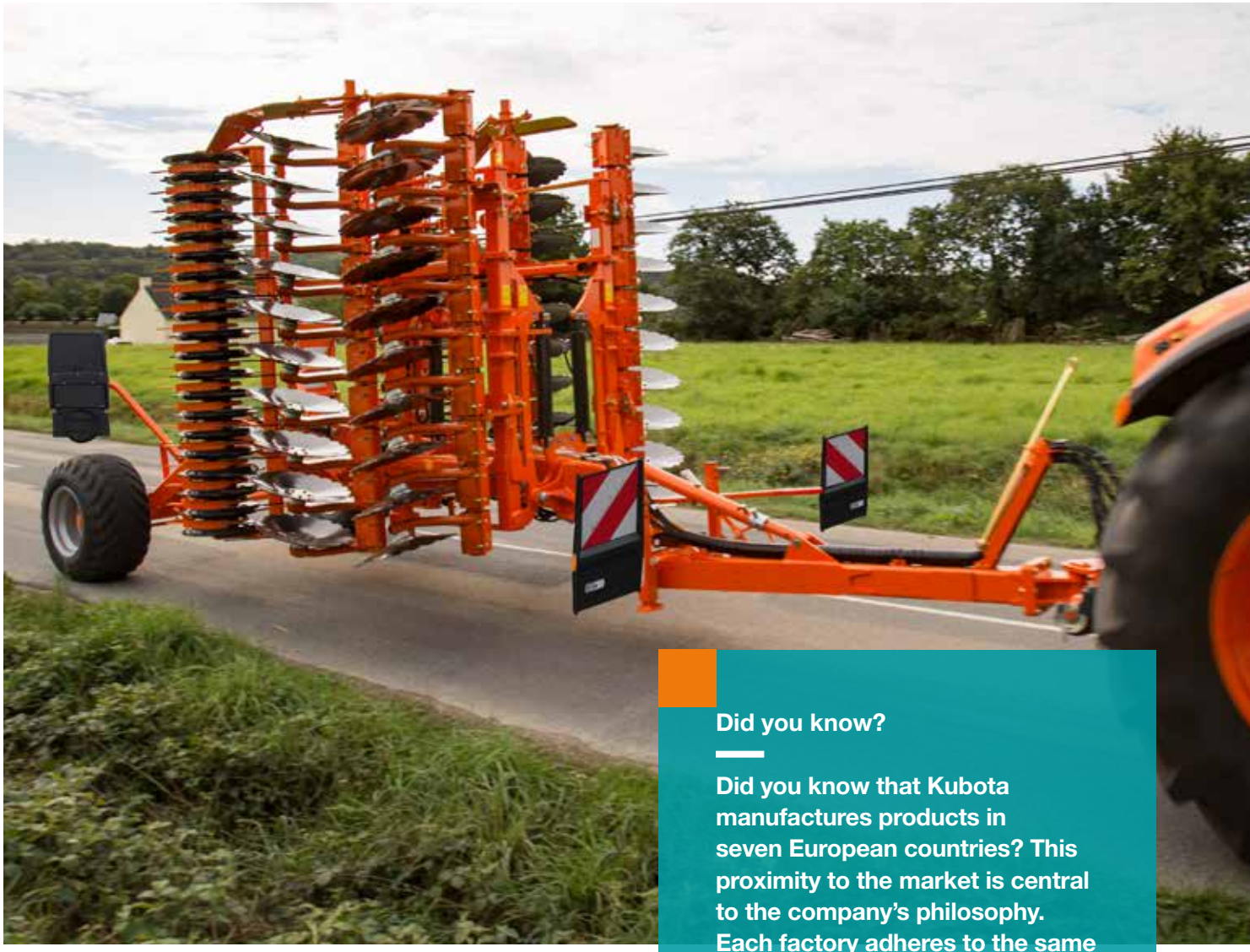
Ease to use
All the adjustments can be done without the need for tools, a lot of precious time is saved! The working depth can be easily adjusted by pivoting spacers, even if it is manually or hydraulically adjusted. At any time during operation the weight of the roller can be used to improve penetration 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.

An optional pair of star discs instead of two standard discs, one mounted on the front right and one at the rear left side improves the levelling effect in light and fluffy soils and provides additional guidance of the soil flow.

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 CD1001T and CD2001T 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.

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 an 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, ...).

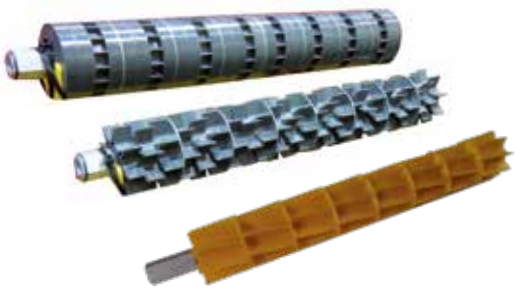
Precision and High Work Output
Two models are available which differ in the seed rate/ha and the output of the machine: The SH200 will be used for rather small seed sizes with a low seed rate/ha, whereas the SH500 would be preferred with higher seed rate (25 to 50 kg/ha - mix of seeds, grass, etc ...) 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.

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.

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

360º performance for 100% success

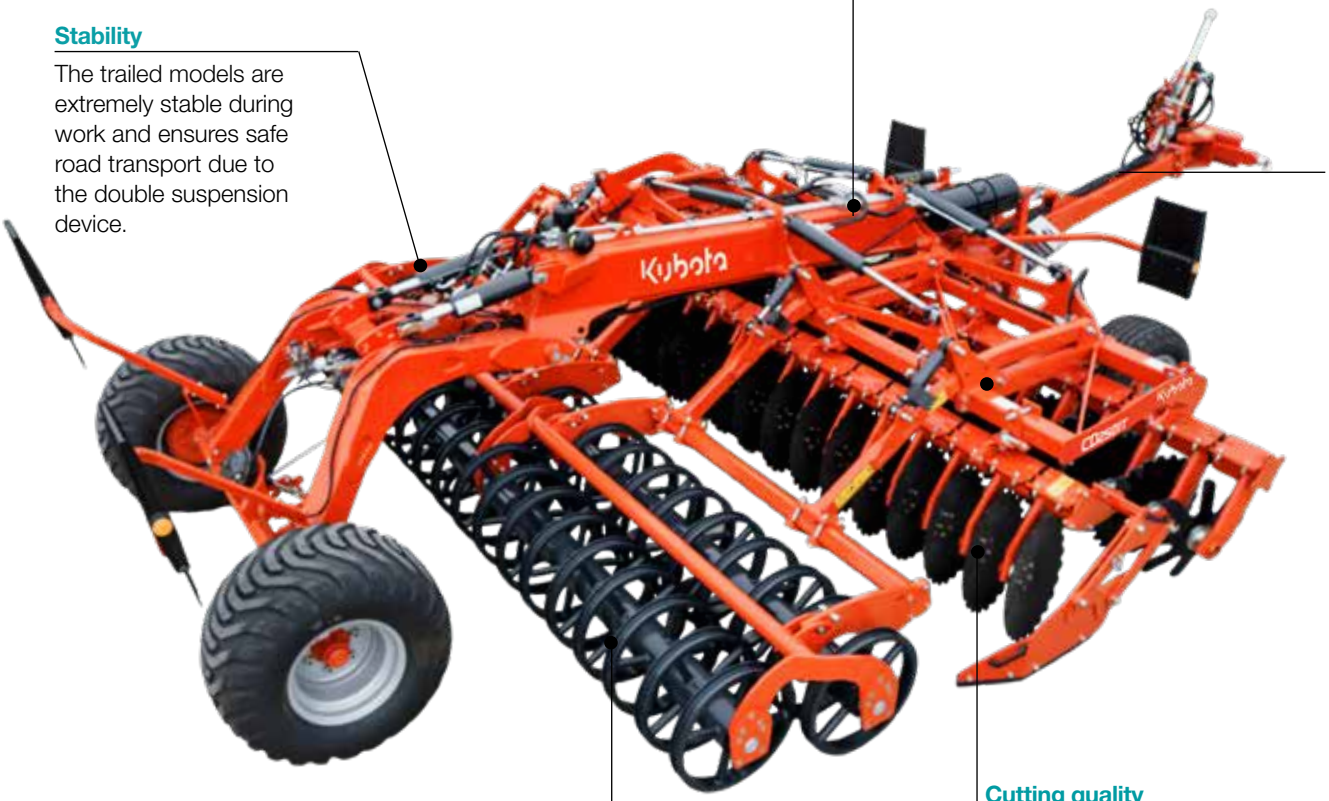
We understand that you need more than a powerful tractor to succeed: namely, an integrated system of products and services to increase your competitiveness and preparation for the future. With Kubota Farm Solutions, we have brought together our solutions in a system – and targeted our proposition to you. From intelligent technology to individual services, the Kubota Farm Solutions 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

Mounted rigid/fold and trailed fold frames in working widths from 2.0 to 7.0m with 2 rows of discs ensure full cutting high performance over entire working width.

Stability

The trailed models are extremely stable during work and ensures safe road transport due to the double suspension device.



Consolidation

Consolidation is elementary to improve seed-to-soil contact, keep water and reduce clods. 6 different rear rollers are available for any type of soil.

Cutting quality

Kubota has one of the hardest disc in the market. The cutting angle is always constant due to its conical design. All bearings are maintance-free and have 2 years of warranty.

#Technical data

Model series		CD1001					CD1001F		
Model		CD1201	CD1251	CD1301	CD1351	CD1401	CD1401F	CD1510F	CD1601F
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		520×5 mm - 215kg/mm²					520×5 mm - 215kg/mm²		
Inter-row distcance	(mm)	900					900		
Disc spacing	(mm)	250					250		
Working depth	(cm)	2-10					2-10		
Linkage		Cat. II		Cat. II and Cat. III			Cat. III		
Underbeam clearance	(mm)	735					735		
Depth adjustment		Hydraulic or mechanic by spacer					Hydraulic or mechanic by spacer		
Finger harrow (400x10mm)		O					O		
Finger following harrow (450x12mm)		O					O		
Pair of star discs		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 Single (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 Single (ø 560mm) Actipress Twin (ø 560mm) - not on 6m fold version		
Transport wheels		-					-		
Gauge wheels		-					-		
Double suspension device		-					-		
Frame box section		100×100×8					100×100×8 and 200×200×10 (central frame)		
No. of double acting valves		1 or 0					2 or 1		
Brake		-					-		
Integrated seeder SH200/SH500		O					O		
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	(hp)	50	55	70	90	110	110	130	150
Max. HP	(hp)	100	120	150	180	200	200	250	300

● 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
*** Two frame versions available - length plus 640mm; weight plus approx. 100kg for combination with Actipress Twin and Double cage roller
**** only in combination with single roller and extended frame version

CD1001T***		
CD1401T	CD1510T	CD1601T
trailed fold		
4.0	5.0	6.0
2.5		
32	40	48
520×5 mm - 215kg/mm^2		
900		
250		
2-10		
Cross shaft Cat. III or Cat. IV N, fixe eye Ø50mm or ball coupling K80**		
735		
Hydraulic by spacer		
O		
O****		
O		
O		
Cage roller (ø 550mm), Double Cage roller (ø 400mm) - extended frame Actiring (ø 540mm), Actiflex (ø 580mm), Actipack (ø 560mm), Actipress Single (ø 560mm) Actipress Twin (ø 560mm) - extended frame		
400/60×15.5, 480/45×17 or 520/50×17		
2×340/55x16		
●		
100×100×8 and 300×200×10		
4 or 3		
hydr. or pneumatic		
O		
3460	3882	4286
3726	4230	4716
3940	4474	4988
130	150	170
220	260	300

#Technical data

Model series		CD2001					CD2001F		
Model		CD2201	CD2251	CD2301	CD2351	CD2401	CD2401F	CD2511F	CD2601F
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		600×6 mm - 215kg/mm²					600×6 mm - 215kg/mm²		
Inter-row distcance	(mm)	900					900		
Disc spacing	(mm)	250					250		
Working depth	(cm)	3-15					3-15		
Linkage		Cat. II		Cat. II and Cat. III			Cat. III		
Underbeam clearance	(mm)	810					810		
Depth adjustment		Hydraulic or mechanic by spacer					Hydraulic or mechanic by spacer		
Finger harrow (400x10mm)		O					O		
Finger following harrow (450x12mm)		O					O		
Pair of star discs		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 Single (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 Single (ø 560mm) Actipress Twin (ø 560mm) - not on 6m fold version		
Transport wheels		O					O		
Gauge wheels		-					-		
Double suspension device		-					-		
Frame box section		100×100×8					100×100×8 and 200×200×10		
No. of double acting valves		1 or 0					2 or 1		
Brake		-					-		
Integrated seeder SH200/SH500		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	(hp)	50	70	90	110	130	150	170	190
Max. HP	(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
*** Two frame versions available - length plus 640mm; weight plus approx. 100kg for combination with Actipress Twin and Double cage roller
**** only in combination with single roller and extended frame version

CD2001T***			
CD2401T	CD2511T	CD2601T	CD2701T
trailed fold			
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^2			
900			
250			
3-15			
Cross shaft Cat. III or Cat. IV N, pivoting or fixe eye Ø50mm or ball coupling K80**			
810			
Hydraulic by spacer			
O			
O****			
O			
O			
Cage roller (ø 550mm), Double Cage roller (ø 400mm) - extended frame Actiring (ø 540mm), Actiflex (ø 580mm), Actipack (ø 560mm), Actipress Single (ø 560mm) Actipress Twin (ø 560mm) - extended frame			
400/60×15.5, 480/45×17 or 520/50×17			
2×340/55x16			
●			
100×100×8 and 300×200×10 (central frame)			
4 or 3			
hydraulic or pneumatic			
O			
3908	4376	4960	5421
4174	4724	5390	5931
4388	4968	5662	6231
150	170	190	210
250	300	350	400

KVERNELAND GROUP

https://www.kubota-eu.com

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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