



For Earth, For Life
Kubota

RA

KUBOTA ROTARY RAKES RA1000/RA1500/ RA2000/RA2500

Rotary rakes with working widths from 3.20m to 9.00m



DURABILITY EXEMPL



CompactLine

The Kubota CompactLine rakes feature oil-immersed cam discs and guide rollers. Also, the tine arm bearings are fully lubricated, and hence absolutely maintenance-free.

High-tensile tine arm holders and two bearings on either side of the driveshaft, provide the compact unit with strength and dependability.

Kubota-developed cam tracks are specifically tailored to individual rotor diameters, for optimum raking at any working width and on any model.

All CompactLine rakes are fitted with curved tine arms, to ensure a regular and even swath formation. Additionally the curved shape prevents material from being pushed in the direction of the rotor and allows a higher lifting out of the swath.

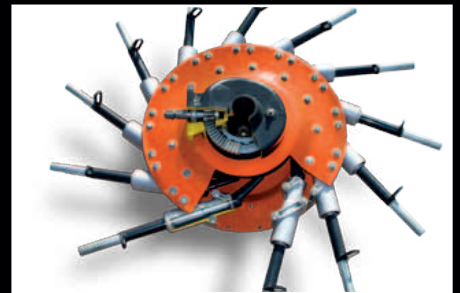
ProLine

The Kubota ProLine rakes feature a unique drive system, which comprises oil-immersed pinion and crown wheels. The fully enclosed design ensures full and permanent lubrication, and makes the entire system absolutely maintenance-free.

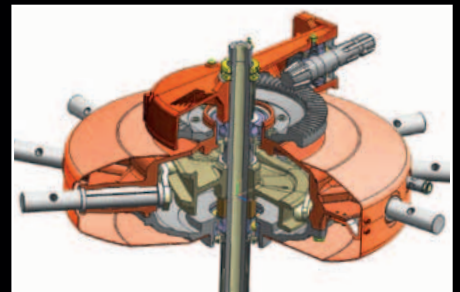


MAINTENANCE-FREE OPERATION

- Steplessly adjustable cam track for easy adaptation to different amounts and sorts of crop.
- Injection moulded aluminium tine arm support housings provide strength and reduced weight.
- All tine arms, including housing, can be removed individually by just removing 3 bolts.
- Oil-immersed crown wheel and pinion reduces wear to a minimum.
- Pinion gear with two bearings separate from the main driveline, keeps pinion and crown wheel securely in place.
- Flat 400mm cast iron cam track with optimised shape, for smooth tine arm control and reduced running speed.
- Unique 4-point ball bearing on crown wheel ensures efficient power transfer to the tine arms.
- Guide rollers with hardened surface minimise wear on cam track and cam follower.
- Heavy duty ball bearings with large distance for excellent support of tine arm shafts.



Maintenance-free ProLine rotor – fully enclosed and permanently lubricated rotor gear.



Maintenance-friendly CompactLine rotor head within a fully enclosed housing.

Our extensive experience guarantees well-proven technology of the highest standard. The hardened cam track is adjustable and with an extremely large 400mm diameter, giving positive guidance to the steel rotors and quiet machine running.

The optimised shape of the curve disc allows the tine arms to lift higher, leaving a more uniform swath formation which ensures a faster drying process. Aluminium bearing housings, with two integral ball bearings and wide support, provide solid and maintenance-free tine arm mounting. Additionally all tine arms including housing are removed by simply removing 3 bolts. Fast and easy!

EXCELLENT GROUND



The rotors are fully flexible in all directions, which means the tines have an exceptional ground following ability...

FOLLOWING

TerraLink Quattro

The TerraLink system consists of two parts. First the lifting arm and second the undercarrier. The arm is slotted on the downside. This, together with special steel quality, makes it possible for the frame to flex without breaking.

The undercarrier, with a minimum of 4 (Quattro) wheels, guides the rotor perfectly over the ground.

TerraLink is a simple system without a complicated and maintenance-intensive cardanic system.

Thanks to the pre-pressure on the front tires during work, the running characteristics is very smooth, also in very uneven conditions.

TerraLink Offers 4-Fold Advantages:

The TerraLink system offers clear advantages over pivoting linkage systems:

- Maintenance-free system - no pivots or joints to wear out.
- Automatic rotor suspension, ensuring smooth operation.
- Built-in pressure bias on front wheels prevents lifting and tine bounce.
- Optimum ground following for clean raking at high forward speeds. All wheels are positioned close to the tines.

Perfect Ground Following

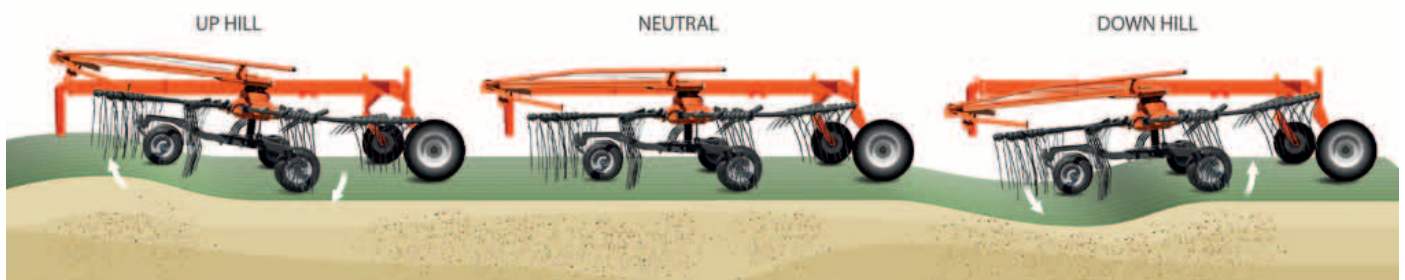
Kubota rotary rakes are designed to produce well-shaped and clean swaths, achieved by precision in every part of the raking. The ground contour following ability is important to avoid dirt in the swath - especially in uneven field conditions.

Adaptation in 3 Dimensions

These high performance rakes are fitted with the TerraLink Quattro wheel system for superb ground contour following. The TerraLink Quattro system controls the rotor in 3 dimensions, with a unique combination of an undercarriage with 4 wheels and a specially designed rotor suspension system. This ensures superb raking performance, even at higher forward speeds.



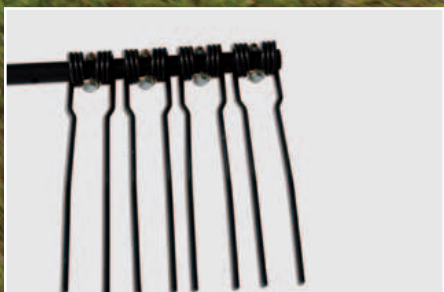
TerraLink Quattro is a maintenance-free system - no pivots or joints to wear out.



... ensuring a clean raking result without dirt in the crop.

THE TOUGH AND STURDY

KUBOTA RA2584-RA2590 HYDRO



ProLine tines with 10mm diameter.



Hydraulically adjustable working width between 7.60-8.40m for RA2584 and 8.00-9.00m for RA2590 Hydro.



Heavy Duty Rake

With an adjustable working width of 7.60m to 9.00m, these heavy duty specification rakes provide the swath formation capability to keep harvesting operations running at their optimum output. At the heart of both models is a heavy duty rotor head system. Proven to perform year in, year out in heavy first cut crop, it is superbly engineered, with the crown wheel and pinion assembly running in a fully enclosed oilbath.

RDY RAKE



With 9.00m working width and transport height below 4.00m, even without detaching tine arms...



... the RA2590 Hydro offers remarkable productivity with no downtime.



Kubota RA2584 is converted hydraulically for transport position from tractor cab.

RA2590 Hydro – High Capacity in Field, Compact on the Road

RA2590 Hydro will go as wide as 9.00m during work with its´ twin rotors, and offers the flexibility to adjust the working width between 8.00-9.00m. It will stay below 4.00m during transport, even with all tine arms fully mounted.

Thanks to the hydro axles which are a unique Kubota feature, the complete rake can be lowered hydraulically for transport, ensuring that it will go below 4.00m transport height. Another benefit is that the gravity point is moved towards the ground, and in combination with the wide track width and large 380/55-17 tyres it creates excellent weight distribution and stability during transport.

COMPACT CENTRE SW

KUBOTA RA2072- RA2072 HYDRO-RA2076



The ability to make sharp turns up to 80° and the cross stabilizer in the headstock are Kubota features.



The hydraulic adjustable rotors on RA2076 can be set between 7.00m...



...and 7.80m working width.

SWATH RAKES

Compact Design – High Performance

Kubota offers three cost-effective two rotor rakes with strong design. The rakes produce a nice even centre swath from raking widths between 6.20m and 7.80m. They are mounted on a strong and stable frame to ensure long lifetime. Features such as actively steered wheels, the TerraLink Quattro system and hydraulic working width adjustment are standard.

Unique Manoeuvrability

The rear carrier frame with controlled steering facility allows tight turns on headlands and loss free swathing even in awkwardly shaped fields. When in headland position, an outstanding lifting height of 45cm, prevents swath damage. The ability to make sharp turns up to 80° and the cross stabilizer in the headstock are Kubota features.

These double rotor rakes offer hydraulically adjustable working width. This enables varying the swath width from 1.20-2.00m, ensuring a perfect match to the pick-up width of loader wagons, balers and foragers.

RESETTING THE STANDARD

RA2072 HYDRO

The RA2072 Hydro is fitted with hydraulically operated axles on the main frame, in order to lift and lower the machine during transport and operation. This feature significantly reduces transport height by 40cm, allowing a transport height as low as 3.45m

Add in features such as adjustable working width of 6.20-7.20m, TerraLink Quattro ground contour following and heavy duty carrier frame design, and the result is low maintenance, higher productivity and maximum operation comfort.

All main functions, such as lifting and lowering of main frame and rotors are operated from the tractor cab, using an electro-hydraulic control terminal. It is also possible to pre-select lift activation of the rotor units via the terminal. Such an integrated solution is offered only by Kubota.



Easy setting of correct raking height.



To limit transport height further the tine arms can be removed on RA2076. The swath board folds up automatically.



Single rotor activation is optionally available. Standard on Hydro version.

OBVIOUS SIDE EFFECT

KUBOTA RA2577



The low position of the rear frame, with low gravity point, ensures excellent stability.



The side delivery concept allows you to collect crop from 15.00m into a single swath.



Active wheel steering for improved manoeuvrability in combination with large wheels for reduced compaction.

RA2577

The RA2577 ProLine double rotor rake delivers a working width of 7.70m. The side delivery concept adds excellent flexibility in swath formation and allows you to collect crop from a working width of up to 15.00m into one swath.

The high built mainframe concept offers excellent ground clearance in headland position (40cm). Actively steered wheels allow sharp turning, both on headlands and during transport when passing narrow gate ways.

RA2577 is fitted with the renowned ProLine gearbox, with its maintenance-free oilbath solution. The shape of the massive 400mm curve disc, allows the tine arms to leave the crop faster, leaving a more uniform swath shape. In addition the rotors feature 12 tine arms on the front rotor, each with 4 tines, and 13 tine arms, each with 5 tines on the rear rotor. This ensures more accurate raking performance and allowing higher forward speed.

The carrier frame features a lower position of the rear frame, moving the gravity point closer to the ground for improved stability. The rotor wheels of the undercarriage are positioned further to the back of the rotor for improved ground contour following under difficult circumstances. In addition RA2577 is fitted with the Kubota TerraLink Quattro wheel system for superb ground contour followings. This system controls the rotor in 3 dimensions.

EFFICIENCY DOUBLED

KUBOTA RA2069 EVO- RA2069 VARIO



Generous overlap between rotors ensures clean raking.



The VARIO version offers the possibility of raking two separate swaths.



RA2069 features a headstock that turns through a 80° angle for superior manoeuvrability.

RA2069 EVO/VARIO

This compact and nimble rake features a sturdy frame and the well-proven TerraLink Quattro ground following system. The two rotors provide generous overlapping, and the cam tracks are matched to each other to transfer the material uniformly. 40cm lifting height ensures that existing swaths remain undamaged when crossed.

In addition the VARIO model offers the possibility of raking two separate swaths. With a working width of 6.90m, the machine rakes up double swaths of up to 13.20m. There are 11 removable tine arms equipped with 4 tines on the front and 12 arms with 5 tines on the rear rotor in order to compensate for the higher load going through the second rotor.

A host of exciting details such as the well thought-out continuous driveline make RA2069 a universal machine that suits a wide range of applications. Trailing boogie wheels made for tight cornering, without the risk of tilting the rotors and tines scraping the ground

LARGE IN FIELD, SMALL

KUBOTA RA2071T EVO-RA2071T VARIO



Flexible Raking

The RA2071T EVO and RA2071T VARIO are designed for maximum flexibility for raking in different conditions. The twin rotors, working independently from each other, makes it possible to collect either one large swath or two smaller swaths. Alternatively the rakes can place two large swaths into one, allowing a total of up to 12.50m crop to be gathered into one.

VARIO specification

The VARIO version also offers the patented SideShift system which comprises electro-hydraulic control of all functions.

Kubota SideShift

A special feature on the RA2071T VARIO is the possibility to sideshift both rotors - both front and the rear - from the tractor cab. With this patented system, raking along field boundaries or around

trees is no problem - as the tractor can run at a safe distance from the obstacles. It is also possible to drive with the tractor on already raked ground.

Easy Conversion from Working to Transport Configuration

There is no need to remove tine arms. Converting RA2071T into transport position only requires a simple operation on the control unit. The swath deflector is lifted hydraulically and transport width

ALL IN TRANSPORT



With 50cm lifting height, swaths are easily crossed.



Pulled axles for smooth running characteristics and reduced power requirement.



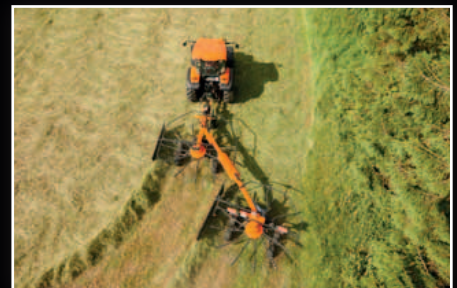
SideShift to the right - conveniently passing trees.



SideShift to the left - raking without driving on unraked crop.



Both models are equipped with a double, wide angle PTO shaft - for increased manoeuvrability.



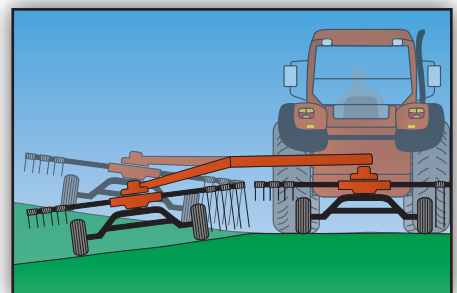
Both rakes are capable of placing small night swaths for hay crops.

is limited to only 3.00m (to reach 2.45m, the tine arms can be removed).

Kubota TerraLink – 5-Fold Benefits

- Absolutely maintenance- and wear-free.
- Superb tracking in road transport.
- Trailed axle configuration enhances quiet-running and reduces tractor input power, particularly in wet conditions.

- Boogies are set to wide track widths and specified with 18.5" tyres, to sense field contours right on the tines for perfect ground following and stability on the slopes.
- Automatic dampening provides quiet machine running.



RELIABLE, RUGGED D



KUBOTA RA1542-RA1546

High Performance

Kubota ProLine single rotor rakes include a gearbox design with excellent working result. Features such as oscillation dampers, tandem axles and HydroLift height adjustment are hallmarks of these single rotor rakes.

ProLine Gearbox

The Kubota single rotor rakes are based on the ProLine gearbox technology. These machines offer working widths of 4.20m and 4.60m respectively and are

fitted with the Kubota ProLine gearbox, with its maintenance-free oilbath solution.

The ProLine gearbox ensures excellent swath formation. The shape of the massive 400mm curve disc, has been perfected to allow the tine arms to leave the crop faster, leaving a more uniform swath shape.

Both rakes are standard fitted with both 4 wheel tandem axles and oscillation

dampers, offering excellent ground contour following, minimizing the amount of dirt collected in the swath.

HydroLift Concept

A unique feature of RA1542 and RA1546 is the HydroLift concept. It is a hydraulic height adjustment system that allows the driver to quickly adjust working height to different ground conditions from the tractor cab. With the unique possibility of setting a minimum height.

DESIGN



As an option these rakes can be supplied with a third wheel, to ensure even better flotation.



Infinitely variable cam track adjustment allows fine tuning, to obtain optimum raking and swath formation according to crop conditions.



Standard oscillation dampers ensure excellent running characteristics.



For transport or storage, the rotor guard frames are folded up close to the main frame, locking automatically into position. An assist spring linked to the swath board reduces the effort required.



ProLine oilbath gearbox design ensures maintenance-free operation. Tine arms can be easily removed.

MACHINES FOR SMA

KUBOTA RA1032-RA1035-RA1039- RA1042T-RA1043-RA1047T



The Compact Range

For smaller raking operations, Kubota offers several models designed for use on lower horsepower tractors, whilst delivering similar raking performance compared to its' higher specification machines. With the pivoting three point linkage machines and also two trailed versions, there is a model to suit any need, from lowland farmers, to the users working on steep hillsides.

Kubota 'Compact' Rotor Head

The rotor head is grease lubricated. Within a fully enclosed housing, the maintenance-free cam track and cam followers are running permanently lubricated in an oilbath. The rotor shaft and pinion shaft are all mounted on two bearings for maximum strength and long service life.



The trailed machines can conveniently be raised up to a height of 50cm from the tractor driver's seat.

LLER TRACTORS

CURVED TINE ARMS

All Kubota CompactLine rakes feature cranked tine arms for significantly cleaner raking performance and optimised swath formation. This design ensures that the row of tines on each

tine bar has a more effective approach angle to the oncoming crop, and also gives a cleaner lift out of the tine from the formed swath.



RA1032 – compact entry-level 3.20m rake with a weight of only 320kg.



RA1039 – 3.90m working width, weighing 460kg.



RA1043 – 4.30m working width with a weight of 490kg.



RA1047T – 4.70m working width and a weight of only 665kg.



As an option these rakes can be supplied with a third wheel, to ensure even better flotation.



All rakes can be set for reduced transport and storage width by removing the tine arms and placing them on the carrier frame.



A pivoting 3-pt headstock ensures perfect ground following performance, and perfect tracking when cornering. Oscillation dampers are optionally available.

SPECIFICATIONS

Kubota Models	RA1032	RA1035	RA1039	RA1043	RA1042T	RA1047T	RA1542	RA1546
CompactLine	•	•	•	•	•	•	-	-
ProLine	-	-	-	-	-	-	•	•
Dimensions & Weight								
Working width (m)	3.20	3.50	3.90	4.30	4.20	4.70	4.20	4.60
Transport width (m)	1.60	1.75	1.75	2.00	2.00	2.40	1.75	2.15
Transport length (m)	3.10	3.35	3.60	3.85	4.00	4.75	3.95	4.25
Parking height (m)	1.60	1.70	1.75	2.00	2.30	2.65	2.60	2.75
Weight (kg)	320	420	460	490	570	665	640	670
Swath width appr. (m)								
Capacity theo. (ha/h)	3.5	3.9	4.3	4.7	4.6	5.1	4.6	5.1
Hitching system								
Pivoting 3-pt headstock (cat.)	1/2	1/2	1/2	1/2	-	-	2	2
Lower links (2-pt.)	-	-	-	-	-	-	-	-
Linkage drawbar	-	-	-	-	•	-	-	-
Gauge wheel 16°	o	o	o	o	o	o	o	o
Rotors/Tine arms/Tines								
Rotor diameter (m)	2.60	2.80	3.05	3.35	3.35	3.65	3.35	3.65
Swath delivery	left	left	left	left	left	left	left	left
Number of rotors	1	1	1	1	1	1	1	1
Number of arms per rotor	9	10	11	12	11	12	12	13
Number of double tines/arm	3	4	4	4	4	4	4	4
Tine diameter (mm)	9	9	9	9	9	9	10	10
Continuous cam track	-	-	-	-	-	•	•	•
Detachable tine arms	•	•	•	•	•	•	•	•
Height adjustment	rack trail	mech.	mech.	mech.	mech.	mech.	hydr.	hydr.
Wheels and axles								
Tyre (rotors)	15x6.00-6	16x6.50-6	16x6.50-6	16x6.50-6	18.5x8.50-8	18x8.50-8	16x6.50-6	16x6.50-6
Fixed tandem axle	o	o	o	o	•	-	o	•
Pivoting tandem axle	-	-	-	-	-	o	-	o
Stand. tyres (carrying frame)	-	-	-	-	-	-	-	-
Optional equipment								
Carrier arm compensating	o	o	o	o	-	•	-	•
Locking catch for slopes	o	o	o	o	-	•	-	•
Safety accessories								
Warning panels	o	o	o	o	o	o	o	o
Road lights	o	o	o	o	o	o	o	o
• = Standard o = Optional - = Not available								
* = Double swath ** = With detached tine arms and lowered headstock.								



Kubota RA1032.



Kubota RA1546.



Kubota RA2071T.



Kubota RA2069 VARIO.

RA2069 EVO	RA2069 VARIO	RA2071T EVO	RA2071T VARIO	RA2072	RA2072 HYDRO	RA2076	RA2577	RA2584	RA2590 HYDRO
•	•	•	•	•	•	•	-	-	-
-	-	-	-	-	-	-	•	•	•
6.90	6.90/7.00	6.60/7.10*	6.60/7.10*	6.20-7.20	6.20/7.20	7.00/7.80	7.70	7.60-8.40	8.00-9.00
2.80	2.80	3.00	3.00	2.80	2.80	2.80	2.98	2.98	2.98
8.45	8.45	7.55**	7.55**	5.90	6.05	5.90	8.95	6.25	6.25
3.45/4.10	3.45/4.10	-	-	3.90	3.45**	3.45**/4.10	3.70**/4.40	3.45**/4.10	3.35**/3.99
1750	1940	1350	1400	1640	1640	1640	2290	1950	2310
				1.20-2.00	1.20-2.00	1.30-2.10		1.40-2.20	1.20-2.20
7.6	7.6	7.3	7.3	7.5	7.5	8.4	8.1	9.2	9.9
-	-	-	-	-	-	-	-	-	-
•	•	-	-	•	•	•	•	•	•
-	-	•	•	-	-	-	-	-	-
-	-	o	•	-	-	-	-	-	-
3.35	3.35	2.95	2.95	3.00	3.00	3.35	3.65	3.65	3.85
left	left	left	left	centre	centre	centre	left	centre	centre
2	2	2	2	2	2	2	2	2	2
11/12	11/12	11/12	11/12	11	11	11	12/13	2x12	2x14
4/5	4/5	4	4	4	4	4	4/5	4	4
9	9	9	9	9	9	9	10	10	10
-	-	-	-	-	-	-	•	•	•
•	•	•	•	-	-	•	•	•	•
mech.	mech.	hydr./mech.	hydr./mech.	mech.	mech.	mech.	mech.	mech.	mech.
16x6.50-6	16x6.50-6	18.5x8.50-8	18.5x8.50-8	16x6.50-6	16x6.50-6	16x6.50-6	16x6.50-6	16x6.50-6	16x6.50-6
-	-	•	•	o	o	o	-	o	o
-	-	-	-	-	-	-	-	-	-
10.0/75-15.3	10.0/75-15.3	-	-	10.0/75-15.3	10.0/75-15.3	10.0/75-15.3	380/55-17	380/55-17	380/55-17
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•



Kubota RA2072 Hydro.



Kubota RA2577.



Kubota RA2590 Hydro.

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