For Earth, For Life

Kubota

RM

KUBOTA PLOUGH EQUIPMENT

KUBOTA
SERIES RM & CM

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.

For all requirements

The Kubota program has two different headstocks with the designations 150 and 200. Both are constructed from the highest quality steel and are subject to Kubota's special heat treatment processes which infuse additional properties such as strength and hardness. Strong sealed roller bearings are used for years of trouble-free and maintenance free service.

Headstock 150

Designed for the Kubota RM2000 plough serie and for tractors up to 150 hp. Cross shaft Cat. II and III. Robust 4.3" (110 mm) heat treated hollow shaft forged of 1 piece. Dustproof ball bearings.

Headstock 200

For intensive ploughing and tractors up to 200 hp. Trouble free 4.7" (120 mm) heat treated monoblock hollow shaft, fitted with sealed roller bearings. Cross shaft Cat. II and III.
Optional square scross shaft Cat. III with clevis.

Smooth and safe turnover
The headstocks employ a strong 3.1” (80 mm) turnover cylinder, positioned at the rear of the headstock mast, to give correct and safe turnover.

The design retains the proven Kubota concept of having the centre of gravity close to the tractor in order to minimise lift requirement and to improve stability.

Clever layout of hoses
To avoid the risk of hose damage during the turnover operation, the majority of the hoses pass through the main support axle – no hose pass over the turning point of the headstock. Even the valve block is integrated.

Transport lock
The headstocks are equipped with an integrated transport lock to transport the plough in the “butterfly” position.

Front furrow width adjustment
As standard equipment, front furrow width adjustment is via a turnbuckle. Hydraulic cylinders can be specified as an option.

Sequence valve
The sequence valve controls the reversing cycle of the plough. It automatically activates an alignment cylinder which ‘narrows’ the plough prior to reversal.
After reversal, the plough returns to its working position. This system gives a smoother reversal of the plough bodies.

Memory valve
The memory valve together with the memory-sequence valve, is also activated during reversal; it closes the plough down to the narrowest ploughing width of 12” (30 cm) before reversing. Once the cycle is completed, it returns automatically to the pre-set furrow width.

The memory valve is fitted to the 4, 5, 6 furrow Variomat® ploughs of the RM2000/RM3000 series, depending on countries.

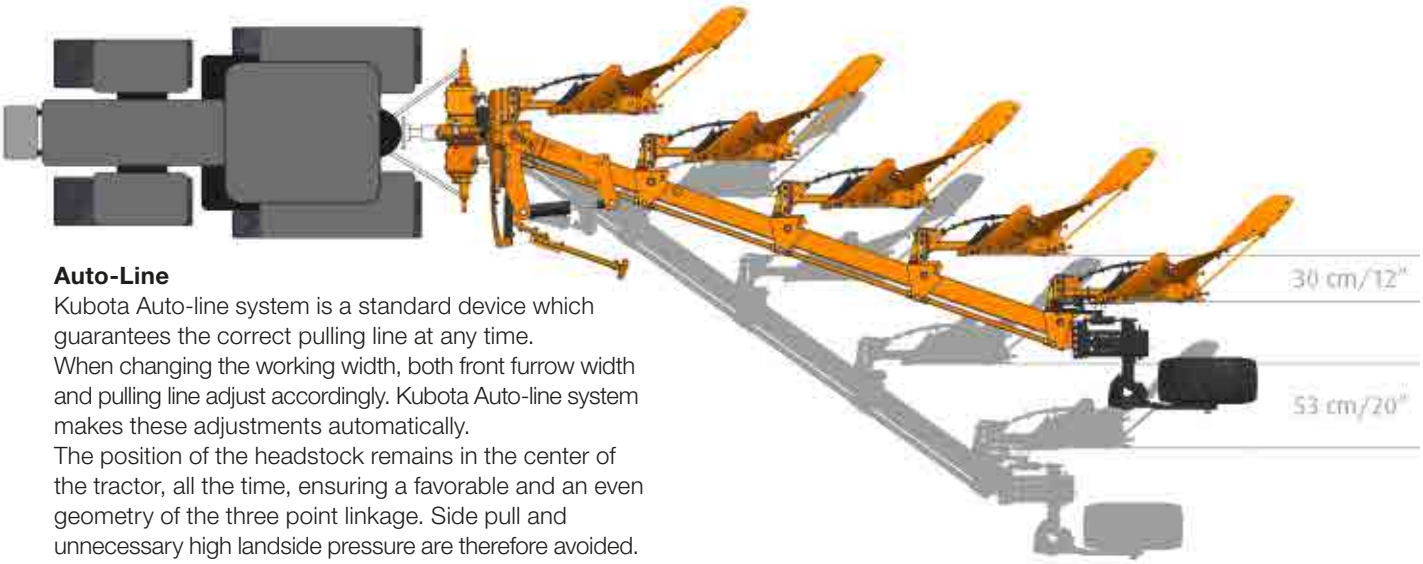
Quick coupling
All headstocks can be fitted with a quick coupling cross shaft.

Cross shaft
The Kubota cross shafts are supplied with Cat. II or Cat. III.

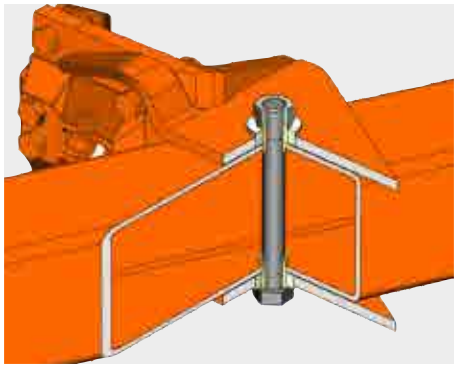
Variation on the move

Kubota Variomat® system allows the optimal match between the soil conditions, the plough and the tractor for the maximum output. Kubota's patented Variomat® is the most reliable system on the market. It also ensures the correct parallel linkage along the whole plough. The pulling line adjustments are hence automatic. The benefits are easy handling, low draft requirements, low wear and tear.

By varying the furrow width, the work can be kept straighter. It is also easier to work up to the hedges, and any obstacles.



Auto-Line
Kubota Auto-line system is a standard device which guarantees the correct pulling line at any time.
When changing the working width, both front furrow width and pulling line adjust accordingly. Kubota Auto-line system makes these adjustments automatically.
The position of the headstock remains in the center of the tractor, all the time, ensuring a favorable and an even geometry of the three point linkage. Side pull and unnecessary high landside pressure are therefore avoided. Consequently, the Kubota Auto-line system ensures an efficient ploughing with less fuel consumption.



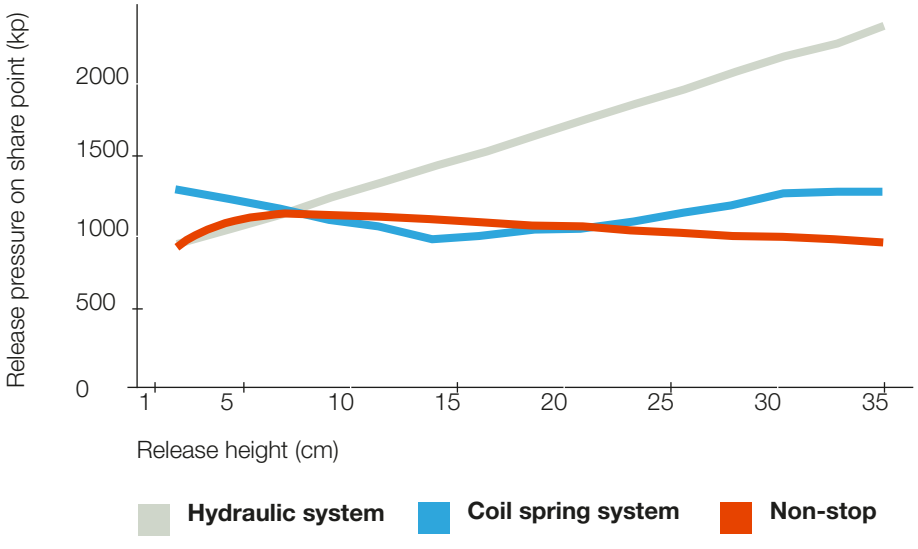
Furrow width indicator

Minimum wear
The heat-treated mainframe together with the bolt, distance tube, two cones and bushes ensure a unique non-wearing pivot joint between the beams and the mainframe.

Two different systems
Kubota Variomat® is available in two variants – with hydraulic or mechanical adjustment of the furrow width. The hydraulic variant allows adjustments of the furrow width from the driver's seat 'on the move'.
The practicality of being able to determine not only the depth, but also the width of the furrows is crucial if the best results are to be achieved. The pulling line adjusts automatically thanks to the auto-line.

Save time and fuel
By changing the ploughing width from 14-18" (35-45 cm), the output increases by 30% with the same plough.
This higher performance is actually achieved at a lesser cost. It induces a 18% reduction is fuel consumption partly due to the low pulling requirements of Kubota bodies.

The Variomat® is also the solution to the demanding spring ploughing season when weather conditions are so unpredictable. Efficiency and quality ploughing can then be combined.



Release characteristics
The diagram shows the differences between three different Non-stop systems, (Hydraulic system, Coil spring system and the clever Kubota leaf spring system) and how the pressure varies as the body rises 0.4" (1 cm).

Benefits
The Kubota leaf spring Non-stop system is highly recommended. When hitting an obstacle, the pressure on the point, frame, plough parts, decreases.

The stress on the plough is therefore reduced which guarantees a longer life to the plough and ensures a better ploughing.

Efficient in stony conditions

Kubota Non-stop system guarantees a quality ploughing. The legs release independently one from another. Once the obstruction is passed, the plough body automatically returns to the correct ploughing depth.

A reliable System
The simple multi-leaf spring system allows the plough legs to release over stones and other solid objects in the ground in a smooth and efficient manner. This avoids sudden jolts and possible damage.

Quicker than ever
With today's demands for higher output, both tractor and plough are expected to perform quicker than ever before.

Simple and easy
Kubota's Non-stop system is a very simple construction and yet is able to withstand these punishing forces year in, year out, with a minimum of maintenance.

Extra leaves when needed
The standard Non-stop system includes 7 Kubota heat treated springs 93 psi (640 kp).
For heavier to extreme soil conditions, extra leaf springs are added for up to 203 psi (1,400 kp).

HD package with 9 leaves (131 psi, 900 kp)

Double spring package: with 14 leaves (203 psi, 1,400 kp)

Designed for high performance

Kubota bodies benefit from an outstanding design for high agronomic performance and for low wearing.

Low pull requirement
Recent university studies, FH Cologne and Wilsmann 2012, have revealed that the design of Kubota bodies offer some of the lowest pulling forces on the market: from -20% to -42% when ploughing at 8" (20 cm) working depth and -11% to -24% at 12" (30 cm). It is therefore possible to plough with 1 extra Kubota body and gain in output compared to competition. As regard to fuel consumption, it is reduced by 19% to 28% when using a Kubota plough.

Wide choice of bodies
Kubota has designed bodies which are adapted to any soils conditions.

Body No. 28: The answer for ploughing with wide tyres

Wide empty furrow
Body No.28 shape and action move the soil further away from the landside, increase the furrow bottom width by as much as 25% compared to Body No.9. This allows wide tractor tyres like a 710 serie type, to work in the furrow without rolling down the previous furrow.

Low pulling forces
Body No.28 is suitable for depths from 16-12" (15-30 cm) and widths from 14-20" (35-50 cm). Longer than body No.8, it creates a flatter profile for improved tilth. The furrow is well turned and packed. Body No.28 clever design will require as little pulling force as Body No. 8 or 9.

Benefits:
- very wide empty furrow – ground preserving tyres
- easy pulling and therefore low fuel consumption
- good turning and well packed
- good trash burial
- perfect universal body for all soils

Body No. 8

- general purpose body
- for light to heavy soils
- working depth: 6-11” (15-28 cm)
- working width: 12-20” (30-50 cm)
- landside / mouldboard: 40°

Body No. 9

- universal body
- for light and medium soil
- easy to pull
- working depth: 7-12” (18-30 cm)
- working width: 12-20” (30-50 cm)
- landside / mouldboard: 40°

Body No. 30

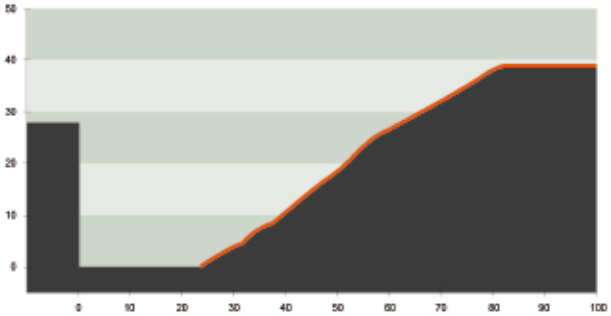
- finger mouldboard with 4 exchangeable strips
- plastic spacers
- for any soil conditions
- intensive crumbling
- working depth: 7-14” (18-35 cm)
- working width: 12-22” (30-55 cm)
- landside / mouldboard: 46°

Body No. 28

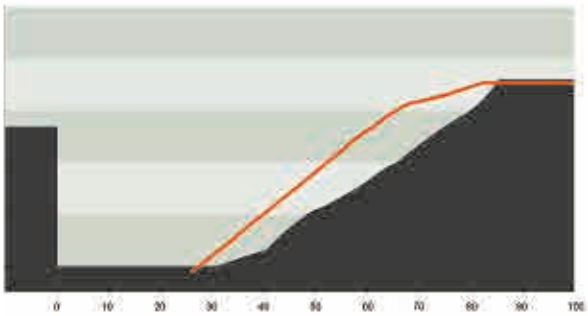
- universal body – easy to pull
- for any soil conditions
- recommended for tractors with large tyres
- creates a flatter profile for improved tilth
- perfect turning of the furrow slice
- working depth: 6-12” (15-30 cm)
- working width: 12-20” (30-50 cm)
- landside / mouldboard: 40°

Body No. 34

- plastic mouldboard
- long and slim shape (similar to Body 28)
- for soils with high humus content without stones
- advised for tractors with large tyres
- easy pulling
- working depth: 5-14” (12-35 cm)
- working width: 12-22” (30-55 cm)
- Landside / mouldboard:40°



Furrow profil body No. 9
Working depth 11” (28 cm), buttom, 9” (23 cm),
width 24” (62 cm)



Furrow profile body No. 28
working depth: 10” (26 cm), buttom: 12” (30 cm),
width 29” (73 cm)

Perfect for light to medium soils

Kubota RM2000 serie. Robust, easy to lift and to pull. Consequently, the RM2000 serie is economic to run. These ploughs are designed for high performance in light to medium soil conditions.

Light and robust hollow beam with shear bolt protection

Robust headstock 150

RM2005/RM2005V efficient Non-stop system

The RM2000 serie specific design guarantees low lift requirements and an easy pulling. The latter can also be explained by the low weight of the plough due to its compact design, hollow but robust legs, heat treated steels requiring less steel width than competitors.

The low weight of the plough and ideal design of the mouldboards contribute to the easy pulling and ensure a low wearing of parts.

Differences between models:
The RM2000-RM2000V feature the reliable shear bolt leg protection (493 psi, 3,400 kp). The RM2005-RM2005V are equipped with the remarkable Non-stop leg protection system for stony conditions.

Legs for the RM2000
The shape of the heat treated hollow square tube and the high under beam clearance enable the plough to handle big amounts of straw and residues.

It is very robust but also flexible. Invisible vibrations of the plough beam result in an improvement of crumbling.

Robust frame section
The main frame is an induction heat treated one box section 6” x 6” (150 x 150 mm). Hence, the necessary strength and support is achieved for the toughest conditions. No welding in order to avoid weaknesses.

Headstock 150
Headstock 150 designed for tractors up to 150 hp (recommended).
”One piece concept” with a specially heat treated 4.3” Ø (110 mm) main shaft for maximum strength. Choice of cross shaft, Cat. II and III or optional quick coupling.

Adaptable

The models RM2000V-RM2005V offer the same design as for the RM2000-RM2005 ploughs. The only difference is the Variomat®. This system offers easy working width adjustments “On the Move“.

Easy manual working width adjustment for RM2000-RM2005. Only 1 bolt to reposition.

Variomat® for RM2000V-RM2005V Parallel linkage with memory cylinder and hydraulic front furrow adjustment.

Variomat® parallel linkage.

Easy to use
Several possibilities are offered to easily change the working width:

- manual adjustment of the working width and of the front furrow with a turnbuckle
- hydraulic adjustment of the working width and manual adjustment of the front furrow with a turnbuckle
- hydraulic adjustment of the working width and automatic hydraulic adjustment of the front furrow

Easy to operate
The furrow width adjustment not only increases the ploughing output but reduces the fuel consumption in relation to output.

For RM2000-RM2005: simple step-wise ploughing width adjustments. Only 1 bolt to reposition.

- 12, 14, 16, 18“ (30, 35, 40, 45 cm) for 2’10” (85 cm) interbody clearance.
- 14, 16, 18, 20“ (35, 40, 45, 50 cm) for 3’3” (100 cm) interboby clearance.

For the Variomat® models RM2000V-RM2005V, easy adjustments on the move from 12-20“ (30-50 cm).

Easy adjustment
The front furrow can easily be adapted to different tractor brands and wheel width settings. This is done via a parallelogram, manually adjusted by a turnbuckle or optional with a hydraulic cylinder.
A memory or a hydraulic alignment of the frame is available.

The Kubota auto-line system always provides the correct pull line.

All models are available with an interbody clearance of 2’10” (85 cm) or 3’3” (100 cm). The RM2000 serie offers 3-5 furrow ploughs with the exception of RM2005-RM2005V, 100 cm interbody clearance, which are available as 3-4 furrow ploughs. Most models are extendable by 1 body to the limits above mentioned.

For tougher conditions

The Kubota RM3000 serie are compact ploughs, easy to lift, equipped with the Variomat® system to work in any soil conditions.

Indicator of working width


RM3000V: Shearbolt plough, Variomat®

Variomat® ploughs
The RM3000V-RM3005V are fitted with the Variomat® for easy furrow width adjustments. This system helps you save time, optimise the output to the field conditions and save fuel consumption per Ha.

For instance, you can vary the working width from 12-20” (30-50 cm) on the RM3005V with 2’10” (85 cm) interbody clearance. 20-40% extra performance can then be achieved with even lesser fuel consumption per Ha. An interbody clearance of 3’3” (100 cm) is also available.

Variations “on the move“
The Variomat® is simply operated via a turnbuckle or a hydraulic cylinder.
The front furrow is adjusted separately in the same manner. With the hydraulic version, the working width can be adjusted on the move.

For extra comfort while reversing the RM3000V–RM3005V can be fitted with a sequence hydraulic automatically bringing the plough to the narrowest working width before turning

Model differences
The RM3005V model is fitted with a well proven Kubota Non-stop system for stony conditions, whilst the RM3000V has shearbolt protections (9,259 lb, 4,200 kg release pressure).

Low lift requirements & more stability
The first assembly mounted to the main support allows the plough to be as close as possible to the tractor. Therefore the lift requirements are significantly reduced compared to other brands. This smart design also contributes to a greater tractor and plough stability, particularly appreciated on hilly grounds.

Constructed for year in, year out performance
For maximum strength and durability, the mainframe of the plough is constructed from only one induction heat-treated box section 6” x 6” (150 x 150 mm) (no welding that would weaken the frame robustness).

The reliability and service life of a reversible plough largely depends on the headstock. During both work and transport, this critical part of the plough is exposed to enormous stresses. The RM3000V-RM3005V are therefore fitted with the robust Kubota headstock 200.

Suits all tractor models
The smart design of the headstock 200 allows easy adaptations to suit any tractors irrespectively of wheel widths or linkage geometry constraints.

Add-on system
Any 3, 4 and 5 furrow models can be extended by one body, max. 6 furrow plough.

The RM3000 serie features a rear or a frame mounted wheel.

For smaller farms

Kubota CM1000 serie. These conventional mounted ploughs are the alternative for smaller farms and tractors. Fitted with the Variomat® for stepless width adjustments, the CM1005V is easy to operate, efficient and not least, robust.

Kubota bodies for any conditions

Variomat®: simple and efficient

Robust construction
The simple design of the Kubota CM1005V makes it very reliable.
In addition, all steel parts are heat treated for extra robustness.
The 4" x 8" (100 x 200 mm) square frame, induction heat treated, is a guaranty for the plough longevity. The heavy duty legs fitted with the mechanical Non-stop system enable ploughing in any conditions.

Easy to operate
The CM1005V adapts easily to all types of tractors. After a few adjustments, the plough is ready for work. This Kubota plough is available from 3 to 4 furrows. The 3 furrow version can be extended by 1 body.

Efficient Variomat®
The Kubota Variomat® allows infinite furrow width adjustments; either from 12" to 20" (30 to 50 cm) for 2'10" (85 cm) interbody clearance or from 12"-22'' (30 to 55 cm) for 3'3" (100 cm) interbody clearance. Hence, you can adapt the working width to any soil conditions or tractor capacity for the optimal result.

Econonomic ploughing
The heat treatment of the Kubota steel parts allows using less steel than competition, therefore less weight to pull and hence less fuel consumption. The same result is achieved with the low draft Kubota bodies. Less weight and low draft induce low wearing of parts. The latter get changed less often, which saves you time and money.

The Variomat® helps reduce costs too. Experience has proved that the working capacity and the fuel consumption do not increase equally. When increasing the working width by 30%, the fuel consumption does not increase by 30%. You actually save 20% on the fuel. The Variomat® makes ploughing more cost efficient.

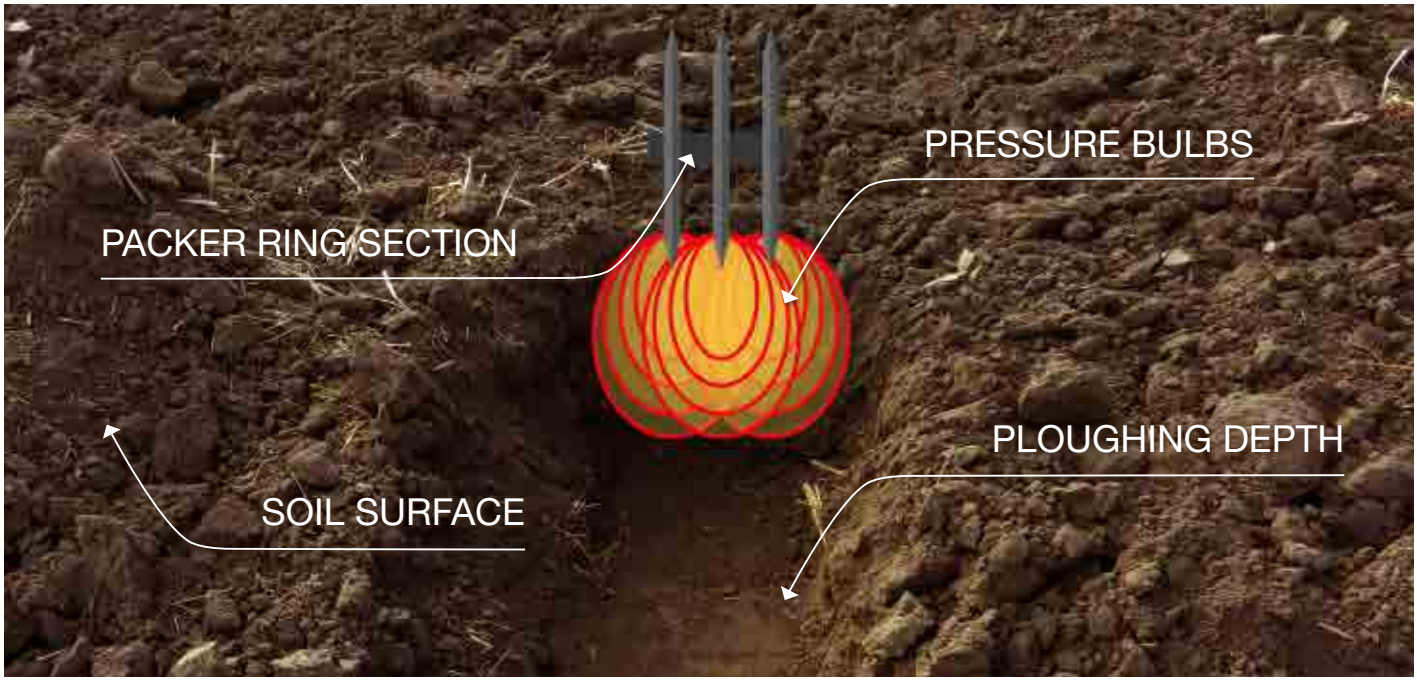
The Variomat® is simply operated via a turnbuckle. The front furrow is adjusted separately in the same manner.

Mechanical front furrow width adjustment is standard.

Efficient Non-stop system
To ensure trouble free work in stony conditions, the Kubota Non-stop system is ideal: simple, reliable, maintenance free.

For soil re-consolidation

Ploughing alone benefits most soils. Re-consolidation after ploughing or before seeding increases productivity and favours higher yields.



Bulb pressure theory

Agronomic benefits
The combination of ploughing and re-consolidating is both efficient and environmentally friendly. Soils are loosened, organic matters are incorporated to enrich the soils. Weeds are controlled mechanically. The elevation of temperature of the ploughed soil is actually positive.
The associated water evaporation is limited by the immediate re-consolidation via packers. Water capilarity is hence re-established for the benefit of the soil life.

Maximise efficiency
Driven by efficient crop management processes, as a farmer, it is difficult to grant sufficient time for the soil to settle by itself. Furthermore, soil moisture shall be maintained to ensure a good germination after seeding.

Kubota Packomat re-consolidating tool is therefore recommended in combination with ploughing or directly before seeding. Coarse clods get crushed, soil is re-consolidated with a favourable soil moisture.

Higher profitability
Profitability is generally improved by either cutting down costs or improving yields. By re-consolidating soils either during ploughing or directly before seeding, the profitability improves on both ends. Cost are reduced by completing 2 operations simultaneously. The fuel consumption is optimised too. Yields will improved due to the re-consolidation of the soils.

For soil re-consolidation

The Packomat follows the Kubota plough from work to transport while the Kubota Packer arm can be used on most of the Kubota ploughs for packers.

Packer arm

Kubota packer arm
Available for most Kubota mounted reversible ploughs and for all packers, the packer arm is connected to the headstock in order to minimize additional side forces during ploughing. Quick, easy and smooth operations thanks to the hydraulic release system and to the spring system which absorbs shocks. Simple manual handling for transport position.

Packomat

Packomat efficiency
Packomat works in all ploughing conditions. It levels, re-consolidates, crushes clods, prepares seed beds, from light-dry to heavy-wet soils.

Packomat is rigidly mounted via a packer arm. The latter is made of a specially hardened spring steel. By means of that arm, weight transfer takes place from the plough to the Packomat to ensure that the packer works the soil with the correct “field pressure”.

Easy packing pressure adjustments
More than 2,755 lb (1,250 kg) pressure gets easily regulated by means of a turnbuckle or an optional hydraulic cylinder.

Optimised levelling
The choice of front harrows helps crush clods and eases the ring soil re-consolidation.

Low pulling forces
The Packomat does not require any extra pulling force than for the plough alone. The support of the depth wheel on one side and the Packomat on the other side, balance even better the plough.
Less landside pressure actually reduces the draft requirements.

Easy handling
100% integrated Packer
Packomat follows the plough from transport to work. This is done easily from the tractor cabin. The Packomat can also remain lifted on field bounderies.

Compared to other packers, the Packomat offers high productivity gains.
There is no need for extra manpower.

Available from 4 to 5 furrow Kubota RM3000 serie ploughs.

Accessories

Maize skimmer

Manure skimmer

Easy adjustable skimmer

To ensure optimum positioning of the skimmer, a quick adjusting system is incorporated on all plough models.

The skimmer is very easy to adjust and can be moved in all directions to suit field conditions. Special indentations on the skimmer arm provide correct location and depth setting. Since the fixing bracket and stalk are fixed to the plough's leg assembly, the skimmer is easily adjusted up or down by loosening only one bolt. Once adjusted the bolt is tightened and locked to ensure a correct and rigid assembly.

The skimmer are available in two versions: standard manure and maize skimmer for those difficult conditions with large amounts of trash.

Skimmers are recommended for efficient burial of stubble, grass, straw and weeds to provide a trash free finish prior to seed bed preparation.

Shares with Reversible Points
The most cost effective 'share' system for ploughing hard and abrasive soils and generally, difficult conditions.

Trashboards
Particularly useful for large quantities of surface trash: manure, straw, etc. are present.

Sword Share Knives
These are an alternative to disc coulters, either to reduce weight or to avoid blockage from trash or stones. Can only be used on ploughs fitted with reversible points.

Furrow Splitter
Bolted to any parts of the mouldboard or share, the furrow splitter is designed to cut through heavy soils making it easier for following operations.

Landside Knives
A very good alternative to disc coulters, either to reduce weight, or to avoid blockage from trash or stones. A good combination with skimmers.

Quick Release coupling
For quick and easy hitching and unhitching.

Disc Coulters: plain or notched
Disc coulters are available in sizes of 18", 20", 22" (45, 50, 55 cm) diameter. They are mounted on single arms. Easy to adjust to suit all conditions.

XHD accessories
Carbides spare parts combined to Kubota steels for extreme soil conditions.
Keep downtime to a minimum.

Leg protection

Shear bolt leg.
Release pressure of:
- 493 psi (3,400 kp) for models RM2000-RM2000V
- 609 psi (4,200 kp) for model RM3000V

Hydraulic stone protection
- adjustable release pressure from 87 to 305 psi (600 to 2,100 kp)
- models: RM2005V and RM3005V

Non-stop leg protection
- adjustable release pressure from 87 to 305 psi (600 to 2,100 kp)
- models: RM2005V and RM3005V

Wheels

Rear mounted depth and transport wheel

6.00 x 9

6.00 x 9

200 x 14,5

320/60 x 12

Rear mounted depth wheel telescopic arm

- also available as frame mounted depth wheel
- 6.00 x 9,200 x 14,5 or 320/60 x 12
- option: scrapers

Rear mounted depth wheel

- rubber wheel 200 x 14,5 or 320/60 x 12
- hydraulic shock absorber included
- option: scrapers

Frame mounted depth and transport wheel

- rubber wheel 200 x 14,5 or 320/60 x 12
- option: scrapers

Rear mounted depth wheel

- rubber wheel 6.00 x 9
- designed for small plough models

Rear mounted depth and transport wheel

- rubber wheel dimensions: 200 x 14,5 or 320/60 x 12
- option: scrapers

Rear mounted depth and transport wheel with hydraulic depth adjustment

- rubber wheel 200 x 14,5 or 320/60 x 12
- ideal for a shallow finish on headlands
- option: scrapers

Frame mounted double wheel

- steel wheel 400 x 250 or rubber wheel 18 x 8.50-8
- available for RM2000, RM2000V, RM2005, RM3000V and RM3005V
- higher output, from 16” (40 cm) onwards

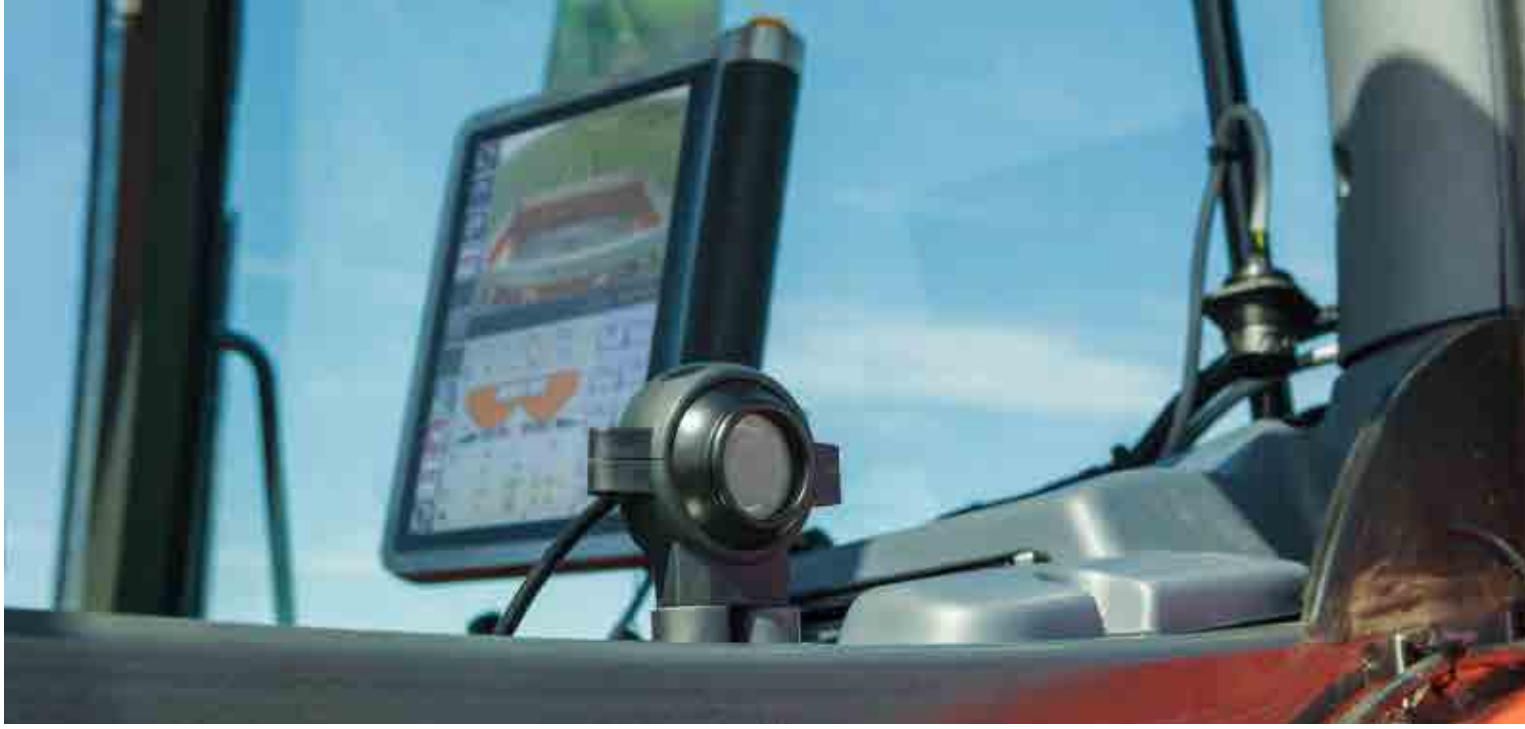
Easy and fast adjustment of the working depth with Y-screws

Efficient farming: discover the possibilities

Kubota's precision farming offering consists of innovative and custom made equipment, designed to manage your farm with success. Now you can carry out the work in a smarter, more efficient and easier way to get the best out of your machines and crops, as well as saving time and money on fertiliser, chemicals and seeds.

Be a PRO in increasing productivity
The IsoMatch Tellus PRO 12-inch terminal provides you with the optimal solution for an all-in-one control system inside the tractor cab including automatic steering. It is the centre for connecting all ISOBUS machines, running precision farming applications and Farm Management Systems. It offers everything you need to get the maximum out of your machines and crop, as well as cost savings in fertiliser, chemicals and seeds by using automatic section control and variable rate control. With the dual screen functionality it gives you the opportunity to view and manage two machines and/or processes simultaneously.

Easy control management
The IsoMatch Tellus GO+ is a cost-efficient 7-inch terminal, especially developed for managing the machine in a simple way. You are in full control of the machine in exactly the way you want. Easily set up the machine with the soft keys via the 7-inch touch screen and for optimal control while driving simply use the hard keys and rotary switch. Controlling the implement has never been so easy.



IsoMatch Grip
This ISOBUS auxiliary device is made for maximum machine control and efficient farming. Operate up to 44 implement functions per machine.

100% focus, the best performance
As tractor steering with IsoMatch AutoDrive-E is handled automatically, you have the freedom to control and monitor your work in an easy way. While the work is more efficient and overlaps are avoided, you can completely focus on the result in the field. (Only in combination with IsoMatch Tellus PRO).

Advanced precision farming software
IsoMatch GEOCONTROL is an advanced software application within the IsoMatch terminals that helps you to control all ISOBUS compatible Kubota machines. Combined with a GPS receiver it fulfils the future needs in terms of innovative and efficient farming! The IsoMatch GEOCONTROL precision farming application includes Manual Guidance and Data Management free of charge. It is possible to expand this application with Section Control and/or Variable Rate Control.

IsoMatch Global 2
The essential accessory for IsoMatch GEOCONTROL is the IsoMatch Global 2 GPS antenna, with DGPS accuracy.
It enables satellite navigation for site-specific section control, variable rate application and field registration.

IsoMatch InLine
The IsoMatch InLine is a light bar which allows easy manual guidance. It is the perfect assistant to get you as close as possible to your desired A-B line

IsoMatch (Multi)Eye
IsoMatch MultiEye is an accessory for connecting up to four cameras to the IsoMatch terminals. You can easily switch between the cameras with the remote control box which is standard included.

Quick & easy

The Knock-on® system consists of only 2 parts: a holder fixed to a regular Kubota share and a Knock-on® point.

Clever
Kubota's Knock-on® is a universal system. Plough Knock-on® points can also be used for cultivators.

Long lasting
Knock-on® benefits from the Kubota steel technology for low wear. The quality of the steel combined with a clever design ensure a long life to the Knock-on® system. Therefore, Knock-on® points can be used in any soil conditions.

Quick
Knock-on® points are changed in a few seconds. It makes sense to save 90% of your time in changing points when working in abrasive soils (points wear quicker) or when having a 5+ furrow plough.

Easy
The only tools needed are a chisel and a hammer (4 lb, 2 kg). Field tests reveal that, as an average, 3 points can be mounted on the same Knock-on® holder.
No bolt to unscrew helps save time.
In addition, when the holder is worn out, it is normally also time to change the share, without unscrewing the holder. Very handy!

Agronomic benefits
Knock-on® has been tested in several soil conditions. Even in the hardest soils, the points ensure a good penetration.
Hence, the plough stays stable in work which ensures quality ploughing results.

Low pulling forces
Kubota bodies generate very low pulling forces. With Knock-on® points, the pulling forces remain low and hence the fuel consumption.

Soil flow protection
The clever design of Knock-on® actually protects the other parts of the body while allowing an efficient soil flow.

Technical data

Model		CM1005V	RM2000	RM2005	RM2000V	RM2005V	RM3000V	RM3005V
Interbody clearance	(cm)	85/100	85/100	85/100	85/100	85/100	85/100	85/100
Interbody clearance	(ft)	2'10"/3'3"	2'10"/3'3"	2'10"/3'3"	2'10"/3'3"	2'10"/3'3"	2'10"/3'3"	2'10"/3'3"
Headstock		–	150	150	150	150	200	200
Type of beam		Non-stop	Shearbolt	Non-stop	Shearbolt	Non-stop	Shearbolt	Non-stop
Underbeam clearance	(cm)	70	80	70/75	80	70/75	70/80	70/75
Underbeam clearance	(ft)	2'4"	2'8"	2'4"/2'6"	2'8"	2'4"/2'6"	2'4"/2'8"	2'4"/2'6"
Working width	(cm)	30-50/30-55	30-45/35-50	30-45/35-50	30-50	30-50	30-50	30-50
Working width	(ft)	12"-20"/12"-22"	12"-18"/14"-20"	12"-18"/14"-20"	12"-20"	12"-20"	12"-20"	12"-20"
No. of furrows		3–4	3–5	3–5/3–4*	3–5	3–5/3–4*	3–6	3–6
Weight	lbs(kg)							
3-furrow		1,278 (580)	1,807 (820)	2,182 (990)	1,962 (890)	2,314 (1,050)	2,336 (1,060)	2,645 (1,200)
4-furrow		1,653 (750)	2,314 (1,050)	2,612 (1,185)	2,469 (1,120)	2,810 (1,275)	2,645 (1,200)	2,998 (1,360)
5-furrow		–	2,568 (1,165)	3,064 (1,390)**	2,722 (1,235)	3,306 (1,500)**	3,461 (1,570)	3,747 (1,700)
6-furrow		–	–	–	–	–	3,968 (1,800)	4,299 (1,950)
Lift requirement	lbs(kg)							
3-furrow		3,086 (1,400)	3,747 (1,700)	4,078 (1,850)	3,968 (1,800)	6,172 (2,800)	4,982 (2,260)	5,952 (2,700)
4-furrow		4,982 (2,260)	6,834 (3,100)	7,165 (3,250)	7,165 (3,250)	8,046 (3,650)	7,275 (3,300)	8,598 (3,900)
5-furrow		–	8,157 (3,700)	8,598 (3,900)	8,487 (3,850)	9,259 (4,200)	9,259 (4,200)	1,1464 (5,200)
6-furrow		–	–	–	–	–	1,3227 (6,000)	1,4330 (6,500)

RM2000/RM2000V

RM2005/RM2005V

RM3000V

RM3005V

Packomat	Working width ft (m)	Ring spacing inch (cm)	Ring Ø inch (mm)
4 furrow ring sections	7'10" (2.40)	7.9" (20)	18.9"/23.6" (480/600)
5 furrow ring sections	9'2" (2.80)	7.9" (20)	18.9"/23.6" (480/600)

Most models can be extended by one body. All weights are given without optional equipment (net weights).

The lift-requirements are given with the following equipment: depth wheel, one coulter and skimmers for all furrows. Weights and lifting requirements are given for ploughs with 2'10" (85 cm) 'interbody clearance'.

For ploughs with 3'3" (100 cm) clearance, please adjust according to the following: Weight + 33 lbs (15 kg) / body, lifting requirement + 110 lbs (50 kg).

Most ploughs with stepless ploughing width and interbody clearance of 2'10" (85 cm) have a working width between 12-18'' (30-45 cm), while ploughs with 3'3" (100 cm) have a working width between 12-20'' (30-50 cm).

* for 3'3" (100 cm) interbody clearance only
** only 2'10" (85 cm) Interbody clearance

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