RotaFlow RO-C, RO-M, RO-XL, RO-EDW
Effective Spreading Widths of 9-45 m

RotaFlow RO Series Disc Spreaders

The RotaFlow Principle

No impact, no fragmentation, no dust

Central release point, smooth acceleration and centrifugal force accelerates fertiliser up to disc speed before it reaches the vane.

Accurate spread pattern

Large 8 vane discs allow 9m to 45m spread widths. Double overlap spread pattern gives unrivalled accuracy.

Minimal wind influence, maximum tolerance

Flat discs.

Horizontal spread pattern.

Consistent spread pattern

Double overlap spread pattern.

Up to 24m working widths

From 24m working widths

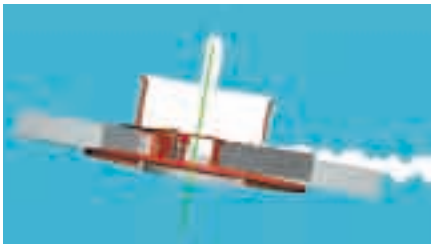
The name RotaFlow
describes the Vicon spreading system; the fertiliser granules are already rotating when they reach the spreading vanes.

This initial smooth acceleration of the fertiliser prevents fragmentation of the granules due to impact with the vanes and maintains the spreading characteristics of the material.

FlowPilot:
easy setting and adjustment
The compact FlowPilot 'dashboard' on each disc has considerably simplified accurate setting and adjustment of application rates. Two hydraulically operated metering plates, each with three discharge openings ensure an equal fertiliser flow from the hopper to the spreading discs.

Guaranteed accuracy on slopes
The fertiliser always contacts the vanes at the same point, also on slopes, and travels the complete length of the vane.

Competitive spreaders:
Poor fertiliser distribution on slopes is caused by the continuously changing contact point on the vanes.


RotaFlow


Competitive spreaders

Border Spreading Systems

Border Spreading Plate

Tilt Cylinder

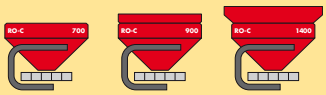
Optional for RO-C and RO-M only

TrimFlow

The RO-M, RO-XL and RO-EDW are also available with the TrimFlow border spreading system. The TrimFlow can be accurately set for all types of fertiliser and for all working widths. Operation is easy, no need to leave the tractor seat.

Indicator work or transport position

RotaFlow RO-C



Compact and Complete

RotaFlow RO-C

Basic hopper capacity	700 litres
Filling height	0.90 metres
Maximum filling capacity	1.400 litres
Working width	9 - 18 (20/21) metres

The RO-C is controlled either manually or hydraulically. It is the most compact spreader in the range, but features all elements of the RotaFlow spreader line. This results in a triangular spreading pattern up to 21 metres.

C for Compact

The working width is determined by the vane length. The 4 vanes can be detached easily, also for a static calibration test. Application rate adjustment from the calibration position is easily accessible.

Quick and convenient rate setting

Standard features include:

- All vanes for 9 - 18 metres (20/21m optional)
- Right hand spreading disc can be shut off
- Overload clutch
- Stainless steel hose connections
- Robust steel sieves
- Grading box to test fertiliser quality

Optional:

- Fine application kit

4 detachable vanes per disc determine the working width

RO-C 900 lt

Master in the Medium Segment

To ensure a consistent flow when spreading low quantities, the RotaFlow sytem is equipped with a fine application kit. Ideal for spreading low quantities, seeds and slug pellets.

RotaFlow RO-M

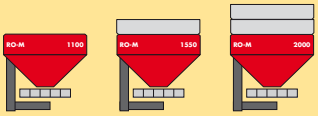
Basic hopper capacity	1.100 litres
Filling height	1.00 metres
Maximum filling capacity	2.000 litres
Working width	10 - 24 (27/28) metres

Each spreading disc has 8 vanes and their length determines the working width of the machine. These 8 vanes contribute to the highly accurate spread pattern across the complete working widths reaching from 10 up to 28 metres. Both discs can be shut off independently to spread half the working width, essential for preventing lodging in tapering headlands.

Standard features include:

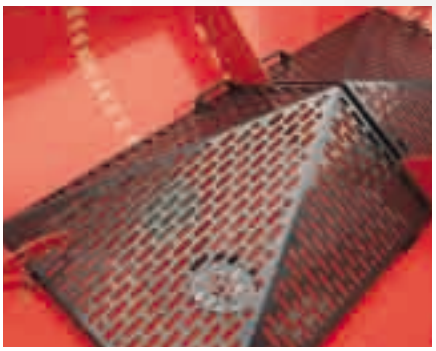
- All vanes for 10 - 24 metres (27/28m optional)
- Fine application kit
- 2 delta shaped heavy duty grids
- Overload clutch
- Stainless steel hose connections
- Grading box to test fertiliser quality

Stainless steel hose connections

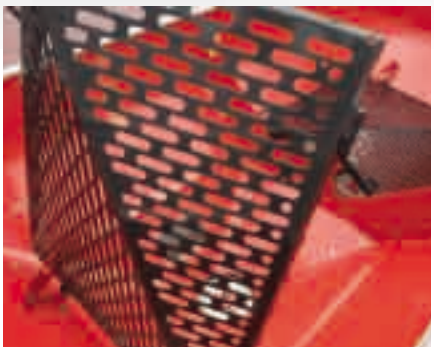


RotaFlow RO-M

RO-M 1550 lt E Comfort Control



Delta shaped heavy duty grids



Grid open in locked position

Agitator

Easy to assemble extention rims

RotaFlow RO-M 1550 lt (lighting set is optional)

Large Working Widths, Bigger Volumes

Hopper emptying kit (option)

Centre gear box with 2 input shafts for high and low disc speed settings

RotaFlow RO-XL

Basic hopper capacity	1.500 litres
Filling height	1.10 metres
Maximum filling capacity	3.450 litres
Working width	12 - 45 metres

XL for Extra Large

The RO-XL is the high capacity spreader of the RotaFlow range. The maximum load capacity with 3 extention rims is 3450 litres. The standard machine can spread all working widths without changing discs, vanes or even gear wheels. The working width is set using the tractor PTO speed and dual input shafts on the spreader centre gear box. An innovative driveline to each disc ensures gentle agitation due to the "slow rotating" agitator system, which runs at 15% of the spreading disc speed.

Easy working width adjustment

Convenient setting of the working width and a triangular spreading pattern. Above 24 metres working width, the angle indicator assists in tilting the machine 4 or 8 degrees. Both discs can be shut off independently to spread half the working width, essential for preventing lodging in tapering headlands.

RotaFlow RO-XL

RO-XL 3450 lt

Calibration container (option)

Rotaflow RO-XL 2800 lt

Disengage disc drive

Standard features include:

- Stainless steel front plates
- Fine application kit
- 2 high capacity and robust sieves
- Lighting set
- Overload clutch
- Low speed agitator
- Stainless steel hose connections
- Grading box to test fertiliser quality

Metering disc indicator open/closed

Low speed agitator

Left/right shut off valve for spreading at half working widths (option)

RotaFlow RO-EDW:
ISOBUS Compatible as Standard
Dynamic Calibration

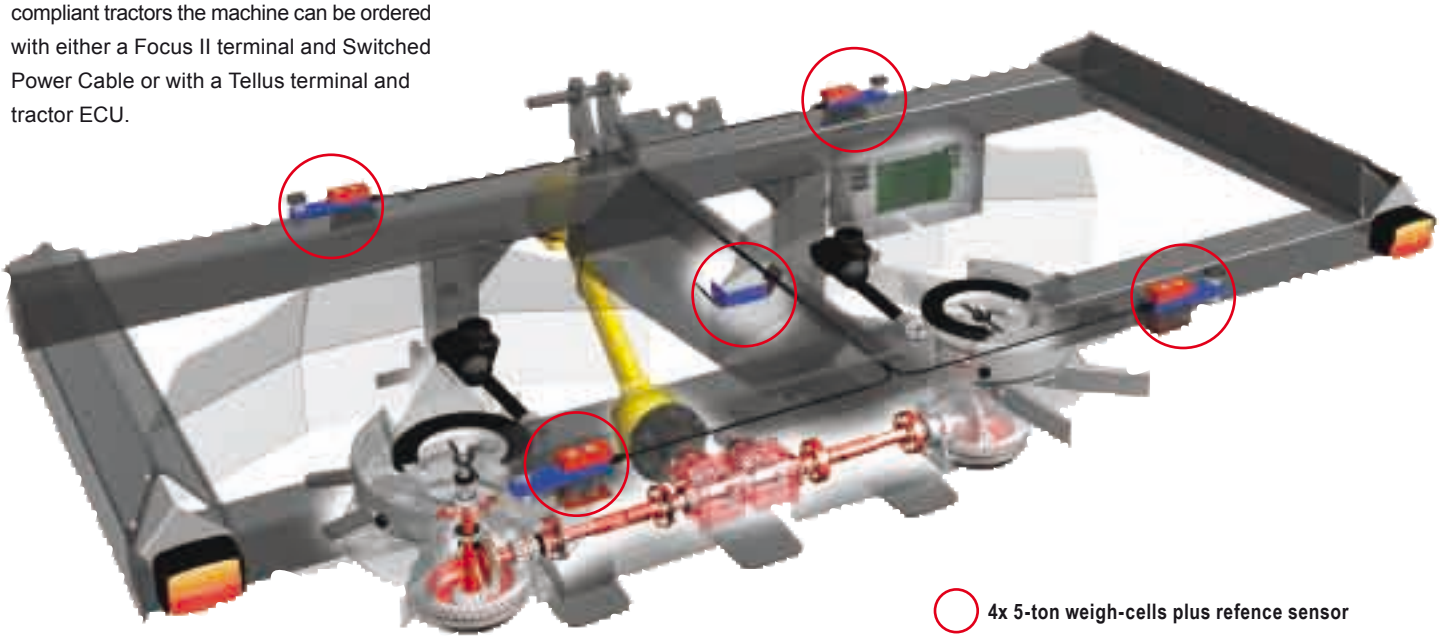
ISOBUS compatible as standard

The RO-EDW is equipped as standard as an ISOBUS compatible spreader. The spreader will be delivered without a terminal for operation using the terminal of an ISOBUS 11783 compatible tractor. For use on non ISOBUS compliant tractors the machine can be ordered with either a Focus II terminal and Switched Power Cable or with a Tellus terminal and tractor ECU.

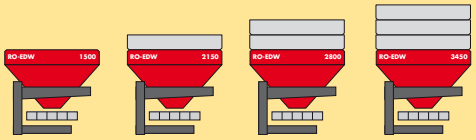
4x 5-ton weigh-cells

The hopper is mounted independently to the spreader frame via 4 weigh-cells.
This avoids the weight of the frame influencing the weighing process.

An additional reference sensor, fitted underneath the hopper, filters the weighing signal for interference caused by shockloads and spreading on slopes.



4x 5-ton weigh-cells plus refence sensor



RO-EDW 2800 lt

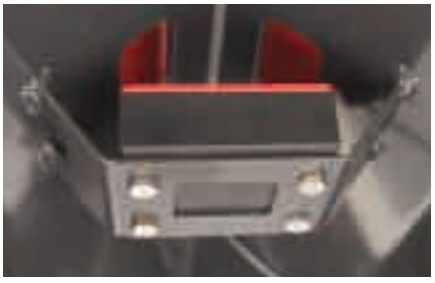
RotaFlow RO-EDW

Basic hopper capacity	1.500 litres
Filling height	1.10 metres
Maximum filling capacity	3.450 litres
Working width	12 - 45 metres

The EDW weigh-cell system maintains constant output irrespective of fluctuations in air humidity or changes in fertiliser weight per litre. The hopper is mounted on 4 5-ton weigh-cells, these continuously monitor the changing weight of fertiliser in the hopper. The unique EDW weighing system eliminates time consuming and inaccurate manual calibration checks, allowing maximum productive time and an unprecendented level of in field accuracy.
The dynamic weighing process accurately re-calibrates the machine continuously during spreading, according to the actual flow characteristics for the material being spread at that precise moment in time.

Other standard features are the same as for RO-XL

5-ton weigh-cell



Additional reference sensor

Easily operated hopper cover (option)

Electronic Control Systems for RO-M and RO-XL

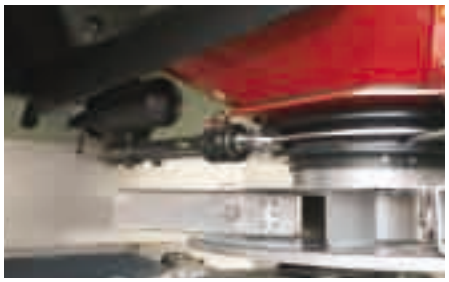
Comfort Control II - ED II Metering System

Comfort Control II

With Comfort Control II, you can operate the spreader from the closed tractor cab. The operating panel provides all the functions to start and stop the spreader, to set the right application rate and to increase and decrease the application rate on the move. The latest settings are retained in the memory function. Both discs can be shut off independently to spread half working width.

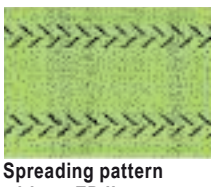
Electric control with left/right shut off for spreading at half working width

- Changing the application rate simultaneously or left and right independently
- Menu with step by step calibration function and automatic correction
- Disc speed sensor available as an option

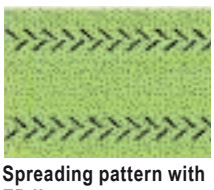


Specially sealed actuators to cope with corrosive conditions

ED II Spreading Computer



Spreading pattern without ED II system



Spreading pattern with ED II system

A wheel sensor or speed input from tractor radar is used to monitor the forward speed during spreading. The ED II system uses this information to maintain the correct output from the spreader, irrespective of changes in forward speed. This makes the spread pattern more accurate in the direction of driving, allowing increased output and peace of mind, while spreading details and areas for up to 40 fields can be recorded in the field registration function. Accurate calibration is simply achieved via automatically timed flow checks.

Constant output irrespective of forward speed

- Accurate spread pattern in the driving direction
- Application rate can be varied on the move and also independently on left and right sides
- Disc speed monitoring fitted as standard
- 40 Record field registration: time of spreading, average rate, area, etc.
- Can be used stand alone as speedometer and hectare meter

ED II machine control unit protected by stainless steel cover

Electronic Control Systems for RO-EDW

1 ISOBUS Communication System

ISOBUS tractor

If the tractor already has an ISOBUS 11783 compatible terminal, there is no need for any additional terminal.

2 ISOBUS Communication System

Tellus + ECU

For tractors without an ISOBUS 11783 terminal a Kverneland Group Tellus terminal and tractor ECU in combination with the necessary additional cables gives the possibility to operate all ISOBUS 11783 compliant implements from any manufacturer.

3 ~~ISOBUS Communication System~~

Focus II + SPC

The Focus II in combination with the Switched Power Cable (SPC) is for the operation of all Kverneland Group ISOBUS implements only. **Please note!** The Focus 2 and SPC is not an ISOBUS compatible terminal and connection system, and there is no guarantee that the system will function with implements from other manufacturers.

Focus II Terminal

Focus II has been designed for easy operation with the screen showing all spreading information at a glance, with easy access via 'softkeys' to independent left/right shut off and over/under application functions. Spread rate, forward speed, hopper contents, area covered and area/ distance left to spread are all clearly displayed. A 40 record field registration system keeps full details of all spreading data. Focus II is also equipped with a serial port allowing rate instructions to be taken from an external source for variable rate applications. Focus II is an universal control control terminal which can also be used with other implements from Kverneland Group.

Serial port to connect external sources

- Large clear digital display
- All relevant parameters are visible at a glance
- Programmed and actual application rate
- Working width and forward speed
- Disc speed monitoring
- Hectare counter and display of area left to spread
- Hopper contents
- 40 Record field registration with various parameters
- Suitable for both Isobus compatible and non compatible spreaders

Tellus - Universal Terminal

The Tellus terminal has successfully passed the DLG test and is the first system to be fully compatible with the ISOBUS Standard (ISO 11783).

ISOBUS is exclusively used for tractors, implements and terminals which meet the ISOBUS specification for data communication. The Tellus terminal allows for simple "plug and play" between ISOBUS compatible tractors and implements. This means that one Tellus control terminal can operate all ISOBUS compatible implements. The result is lower cost and simplified operation of high specification implements.

- Can control all ISOBUS compatible implements on the market
- "Plug and play" between ISOBUS compatible tractors and implements
- Open standard for software/ exchange of ISOBUS data
- High resolution illuminated full colour screen
- Includes all functions of Focus II and in addition task controller functions
- Can also control various other Kverneland Group implements

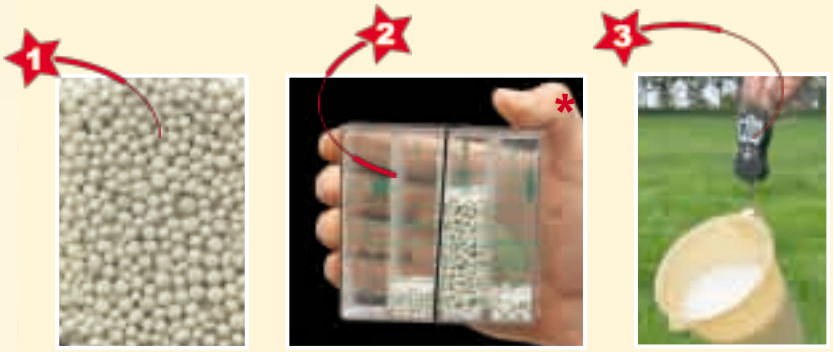
Data exchange via memory cards

Serial port to connect external sources incl. GPS receiver

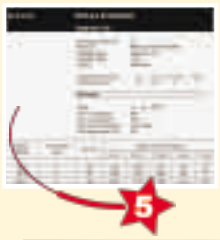
The RotaFlow 6 Star Checklist for Accurate Spreading

The key to accurate spreading is matching fertiliser quality and litre weight with the spreading charts as close as possible. The RotaFlow 6 star checklist helps you to ensure consistent accuracy in all field conditions.

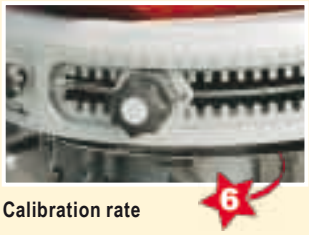
1 **Select fertiliser type**
2 **Determine granule size and distribution***
3 **Determine litre weight**
4 **Select spreading table**
5 **Select field settings**
6 **Adjust RotaFlow FlowPilot**



* A fertiliser grading box is provided as standard with all RotaFlow spreaders



Discharge opening



Calibration rate

Direct access to the most recent test results at:
www.viconspreadingcharts.com

Vicon spreader test centre

The RotaFlow spreaders are known and famous for their sturdiness, ease of operation and outstanding accuracy in all situations. This is the result of many years of experience, research and tests. The development department of the Vicon spreader R&D team has its own 2400 m2 spreader test hall in order to allow continuous testing throughout the year. All tests are carried out according to the strictest international standards and quality requirements.
Consequently, when you purchase a Vicon RotaFlow spreader you get more than just a fertiliser spreader. You get access to the results of specialist testing and experience used to develop comprehensive and easily interpretable spreading charts for all most commonly used fertiliser types.

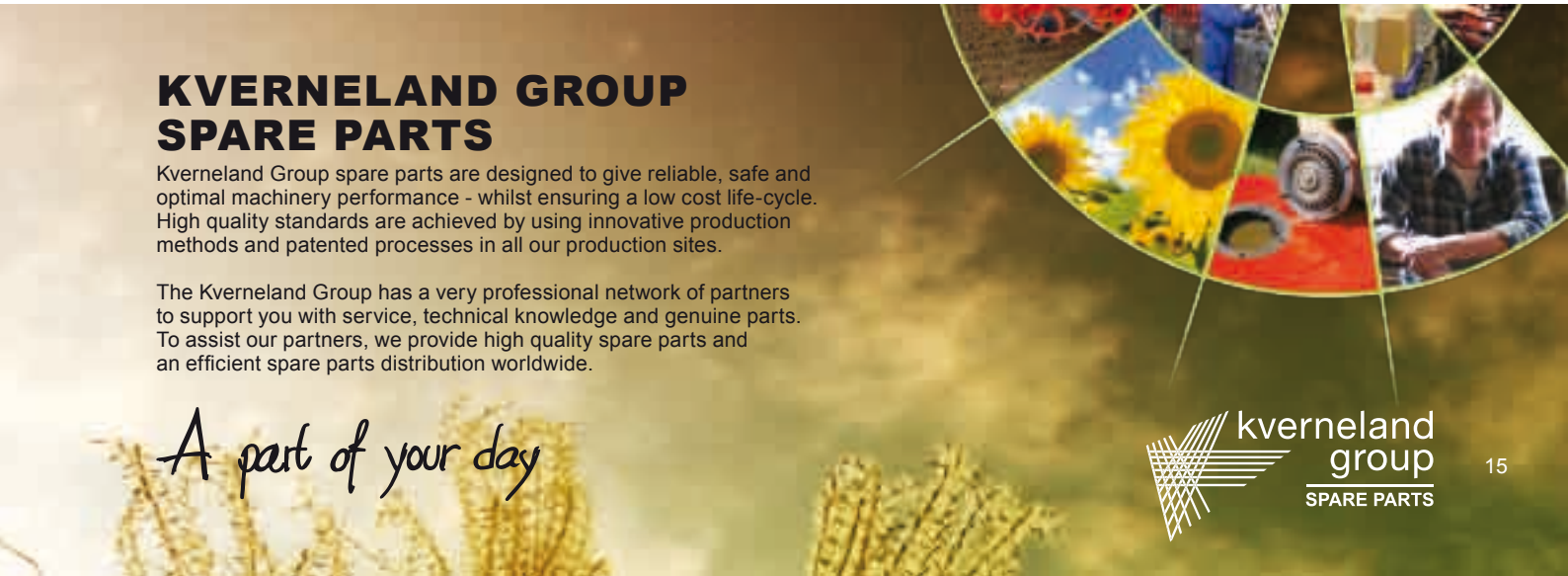
Exact advise for each Vicon spreader at any working width, application rate, driving speed

Access by mobile phone and PDA:
http://vicontab.mobi

Technical Specifications

RO-C	RO-C 700	RO-C 900	RO-C 1400	
Hopper capacity (l)	700	900	1400	
Filling height (cm)	96	108	118	
Width (cm)	154	154	176	
Filling width (cm)	148	148	170	
Empty weight (kg)	250	270	290	
Spread width (m)	9-18 (20/21)*	9-18 (20/21)*	9-18 (20/21)*	
Output (kg/min)	10-230	10-230	10-230	
RO-M	**RO-M 1100**	**RO-M 1550**	**RO-M 2000**	
Hopper capacity (l)	1100	1550	2000	
Filling height (cm)	100	119	138	
Width (cm)	220	220	220	
Filling width (cm)	214	214	214	
Empty weight (kg)	325	350	375	
Spread width (m)	10-24 (27/28)*	10-24 (27/28)*	10-24 (27/28)*	
Output (kg/min)	10-320	10-320	10-320	
RO-XL	**RO-XL 1500**	**RO-XL 2150**	**RO-XL 2800**	**RO-XL 3450**
Hopper capacity (l)	1500	2150	2800	3450
Filling height (cm)	110	129	148	167
Width (cm)	275	275	275	275
Filling width (cm)	269	269	269	269
Empty weight (kg)	495	525	555	585
Spread width (m)	12-45*	12-45*	12-45*	12-45*
Output (kg/min)	10-320	10-320	10-320	10-320
RO-EDW	**RO-EDW 1500**	**RO-EDW 2150**	**RO-EDW 2800**	**RO-EDW 3450**
Hopper capacity (l)	1500	2150	2800	3450
Filling height (cm)	110	129	148	167
Width (cm)	275	275	275	275
Filling width (cm)	269	269	269	269
Empty weight (kg)	665	695	725	755
Spread width (m)	12-45*	12-45*	12-45*	12-45*
Output (kg/min)	10-320	10-320	10-320	10-320

* Depending on fertiliser type



KVERNELAND GROUP SPARE PARTS

Kverneland Group spare parts are designed to give reliable, safe and optimal machinery performance - whilst ensuring a low cost life-cycle. High quality standards are achieved by using innovative production methods and patented processes in all our production sites.

The Kverneland Group has a very professional network of partners to support you with service, technical knowledge and genuine parts. To assist our partners, we provide high quality spare parts and an efficient spare parts distribution worldwide.

A part of your day

kverneland group
SPARE PARTS

kverneland group

Kverneland Group

Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package of systems and solutions to the professional farming community. The offering covers soil preparation, seeding, forage- and bale equipment, spreading and spraying.

Extensive Product Range

Vicon offers an extensive range of farm implements: mower conditioners, drum and disc mowers, tedders, rakes, fixed and variable chamber round balers, big square balers, bale wrappers, fertiliser spreaders, maize choppers, sprayers, soil cultivation and seeding systems.

Kverneland Group International B.V.
c/o Kverneland Group Business Partner
4355 Kvernaland, Norway
kvg-international@kvernelandgroup.com

Kverneland Group UK Ltd.
Walkers Lane, Lea Green, St. Helens
Merseyside WA9 4AF, UK
phone 017 448 532 00
info-uksales@kvernelandgroup.com

Kverneland Group Ireland Ltd
Hebron Industrial Estate
Kilkenny, Ireland
Phone 056 51597
Fax 056 62207

www.vicon.eu

Vicon

F-1037-GB