RotaFlow RO Series
Disc Spreaders
1. **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.

2. **Accurate spread pattern**
   Large 8 vane discs allow 9m to 45m spread widths. Double overlap spread pattern gives unrivalled accuracy. The 8 vanes per disc are ensuring a continuous flow of fertiliser to the field. This is important for high capacity spreading and forward speed.

3. **Minimal wind influence, maximum tolerance**
   Flat discs. Horizontal spread pattern.

4. **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. The adjustable discharge point allows adaptation of settings of the physical fertiliser properties. Due to the gentle handling of the fertiliser the spreading characteristics of the product are maintained. The RotaFlow spreading system is designed for the optimal spreading result!

FlowPilot:
Ease setting and adjustment
The compact FlowPilot ‘dashboard’ gives you 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.

5. 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.
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 Vicon RotaFlow Spreaders

Access by mobile phone and PDA via:
http://vicontab.mobi or download the spreading charts Application from the App store or Google Play Market.

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

Vicon Spreader Competence Centre

The Vicon disc spreaders are known worldwide for their reliability, ease of operation and outstanding accuracy in all conditions. This is the result of many years of practical experience, research and testing. A fertiliser spreader can only be set accurately for rate and overlap using the settings provided by the manufacturer. The new Spreader Competence Centre is now using the most modern technology available in hard and software, allowing the measurement of complete overlap patterns in 3D. Instead of only measuring the spreading pattern in one line corresponding to the working width, this new technology creates a full pattern showing a complete 3D spreading profile of the fertiliser. The 3D spread pattern is achieved using a spreader which is mounted on the test rig which rotates the machine through 280°. Continuous measurement at a frequency of 5 HZ over the 80 collecting trays, which are all individually equipped with weigh cells, provide the ultimate in testing accuracy. A single test run provides more than 30,000 measurements! The result is a very precise spread pattern analysis with a high degree of predictability for setting changes to suit different widths and application rates. This allows, faster testing of the various types of fertiliser but at the same time results in using less fertiliser and improved quality for better protection of our environment. The 60m long test hall, with under-floor heating, maintains the humidity at 60% which allows testing throughout the year, and can accommodate testing of spreading working widths above 50 metres.
RotaFlow RO-C

Compact and Complete

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.

RotaFlow RO-C

- Hopper capacity: 700-1,400 litres
- Working width: 9 - 18 (20/21) metres

Quick and convenient rate setting

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

**Optional:**
- Fine application kit

4 detachable vanes per disc determine the working width

RO-C 700 lt
RotaFlow RO-M

Master in the Medium Segment

RotaFlow RO-M
Hopper capacity 1,100 - 2,000 litres
Working width 1 0 - 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

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

Stainless steel hose connections
Delta shaped heavy duty grids

Grid locked in open position

Agitator

Easy to assemble extension rims

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

Large Working Widths, Bigger Volumes

RotaFlow RO-XL
Hopper capacity 1,500-3,900 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 extension rims is 3,450 or 3,900 litres, depending on the hopper width. 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.

Hopper emptying kit (option)
Centre gear box with 2 input shafts for high and low disc speed settings
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

Comfort Control II

With Comfort Control II for our RO-M and RO-XL, 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.

Specially sealed actuators to cope with corrosive conditions
**RotaFlow RO-M EW, RO-EDW and RO-EDW GEOspread**

**Spreading the Easy Way!**

<table>
<thead>
<tr>
<th>RotaFlow RO-M EW (Easy Weigh)</th>
<th>RotaFlow RO-EDW / RO-EDW GEOspread</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hopper capacity</td>
<td>1.100-2.000 litres</td>
</tr>
<tr>
<td>Working width</td>
<td>10-24 (27/28) metres</td>
</tr>
<tr>
<td>Hopper capacity</td>
<td>1.500-3.900 litres</td>
</tr>
<tr>
<td>Working width</td>
<td>12-45 metres</td>
</tr>
</tbody>
</table>

The standard features for the RO-M EW and RO-EDW / RO-EDW GEOspread are the same as for the RO-M and RO-XL.
RO-M EW and RO-EDW / RO-EDW GEOspread: providing the unique advantages which only Vicon can give you!

1. Load cells in combination with the unique reference sensor
   - Auto calibrating and continuous weighing system
   - Automatic correction on slopes
   - Automatic correction of shocks, even on rough terrain
   - Automatic speed related dosing system
   - No calibration test needed

2. RotaFlow spreading system
   - Smooth acceleration: No fragmentation of the fertiliser granules, no dust
   - Horizontal throw: minimises wind influence
   - Precise overlap: in hilly and flat conditions

3. Operator comfort
   - ISOBUS compatible as standard
   - Operator terminal with intuitive menu and “Plug & Play” principle
   - Forget time consuming calibration processes
   - Simple setting and adjustment with the FlowPilot ‘dashboard’
   - Automatic start/stop with GPS on head lands possible

Continuous dynamic “online – calibration” with high frequency communication signal.

Vicons unique reference sensor technology: all negative influences are automatically corrected and eliminated, ensuring utmost spreading accuracy even on hillsides. The Vicon reference sensor gives you absolute accuracy, because every kilo counts!

The advantages:
Highest accuracy in all conditions: even spreading quality guaranteed!
Save costs and increase quality: spreading the Easy Weigh!
The RO-EDW GEOspread is equipped with two actuators on each dosing unit. One of these actuators controls the setting of the discharge point of the dosing cup onto the disc (letter setting), the other controls the application rate. The GEOspread system makes it possible to adjust the letter setting individually for both discs electrically from the tractor cab. This means the working width can be easily adjusted quickly and accurately just by touching the ISOBUS terminal!

The advantages:
- Quick and accurate spreading, due to the actuators being directly connected to the discharge point.
- Stable disc RPM in combination with discharge point adjustment maintains the spreading pattern (coefficient of variation)
- Easy operation; no need to step off the tractor to adjust the working width
- 100% ISOBUS compatible for easy operation

This means Smart, Efficient and Easy working with the RO-EDW GEOspread.

When running IsoMatch GEOcontrol in addition to GEOspread you can set the RO-EDW GEOspread more accurately. The working width will be automatically adjusted to suit the overlap and coverage using a GPS positioning system. For example, when driving in a wedge or irregular shaped field, GEOspread will start to decrease the working width step by step. GEOspread is using the section control function of IsoMatch GEOcontrol software which is in the IsoMatch Tellus terminal. The spreader working width is divided into a minimum of 2 metre sections. Not only the spreading width is adjusted, the application rate (kg/min) is also adjusted automatically to match the revised spreading width. This unique combination of working width and application rate adjustment makes the GEOspread system extremely accurate, with minimum influence on the spread pattern coefficient of variation.

IsoMatch Tellus - The New Generation Terminal

The IsoMatch Tellus is the first Universal Terminal with the capability to view and operate 2 different ISOBUS interfaces at once. This allows direct control of 2 implements at the same time, use GEOcontrol or display a camera view, without switching screens.

- Two ISOBUS interface screens
- Large 12.1” colour touch screen
- Intuitive operation
- Basic DOC registration program to save operational information directly to USB
- Four USB slots for easy data exchange (e.g. ISO-XML field maps, PDF), wireless USB stick or USB to serial cable for additional sensors
- Built in PDF reader; store and read any PDF document such as operator manuals
- RS232 connection for GPS receivers or sensors
- Internet connection via a wireless USB stick or router
- Integrated web browser
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 terminal which can also be used with other implements from Kverneland Group.

IsoMatch GEOcontrol: Brings Clear Benefits

IsoMatch GEOcontrol is an additional software application within the Isomatch Tellus that helps you to control all ISOBUS compatible Kverneland Group machines such as sprayers, spreaders and seeders! Combined with a GPS receiver it fulfils the future needs in terms of easy, smart and efficient farming. Easy operation and driver comfort due to the automatic implement control. You can stay focused on driving, while IsoMatch GEOcontrol lightens the workload. Reduced overlap and redundant tracks results in increased quality of work and efficiency by cost savings in time, fuel, fertiliser, pesticides and seeds.

Section control
Automatic switching on and off implement sections on headlands, boundaries and already covered areas to minimise overlap.

Variable rate control
Automatically adjusts the implement application rate based on input from the field prescription.

Documentation
Saves all operational job data and field maps for exchange via USB to farm management information systems.

Manual guidance
- Advised driving position using guidance lines (straight, curved or combined) in the field and on headlands
- Extendable using the optional IsoMatch InLine light bar, to place guidance in line of sight
- Smart boundary recording: independent from the working width, even without any implement corrected
- Boundary shrinking: create new inner boundaries by setting the desired width of the headland
- Manual guidance for all operations, includes non-electric or non-ISOBUS implements. e.g. cultivators, mowers, tedders etc.

ISOMATCH GEOcontrol
- Easy and comfort of operation, due to not having to manually switch on or off sections or change the application rate. You can focus 100% on the driving in the field.
- More efficient work and avoiding overlap leads to cost savings of 5-10% on e.g. fertiliser, pesticides and seed. Better growing conditions and the increased yield.
- With IsoMatch GEOcontrol, working at night time becomes very easy. IsoMatch GEOcontrol reduces the workload considerably.
Border Spreading Systems

Border Spreading Plate

Border spreading using the border spreading plate

Tilt Cylinder

Optional for RO-C and RO-M only

Border spreading from the tramline

TrimFlow

The RO-M, RO-M EW, RO-XL, RO-EDW and RO-EDW GEOspread 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.
### Technical Specifications

#### RO-C

<table>
<thead>
<tr>
<th>Model</th>
<th>Hopper capacity (l)</th>
<th>Filling height (cm)</th>
<th>Width (cm)</th>
<th>Filling width (cm)</th>
<th>Empty weight (kg)</th>
<th>Spread width (m)</th>
<th>Output (kg/min)</th>
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<tbody>
<tr>
<td>RO-C 700</td>
<td>700</td>
<td>96</td>
<td>154</td>
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<td>RO-C 1400</td>
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<td>170</td>
<td>290</td>
<td>9-18 (20/21)*</td>
<td>10-230</td>
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#### RO-M

<table>
<thead>
<tr>
<th>Model</th>
<th>Hopper capacity (l)</th>
<th>Filling height (cm)</th>
<th>Width (cm)</th>
<th>Filling width (cm)</th>
<th>Empty weight (kg)</th>
<th>Spread width (m)</th>
<th>Output (kg/min)</th>
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<td>RO-M 1100</td>
<td>1100</td>
<td>100</td>
<td>220</td>
<td>214</td>
<td>325</td>
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<tr>
<td>RO-M 1550</td>
<td>1550</td>
<td>119</td>
<td>220</td>
<td>214</td>
<td>350</td>
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#### RO-M EW

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<th>Hopper capacity (l)</th>
<th>Filling height (cm)</th>
<th>Width (cm)</th>
<th>Filling width (cm)</th>
<th>Empty weight (kg)</th>
<th>Spread width (m)</th>
<th>Output (kg/min)</th>
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</thead>
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<tr>
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<td>1100</td>
<td>100</td>
<td>220</td>
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<td>380</td>
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<tr>
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<td>214</td>
<td>400</td>
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#### RO-XL (narrow)

<table>
<thead>
<tr>
<th>Model</th>
<th>Hopper capacity (l)</th>
<th>Filling height (cm)</th>
<th>Width (cm)</th>
<th>Filling width (cm)</th>
<th>Empty weight (kg)</th>
<th>Spread width (m)</th>
<th>Output (kg/min)</th>
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<td>110</td>
<td>275</td>
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<td>2800</td>
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<td>275</td>
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<td>555</td>
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<tr>
<td>RO-XL 3450</td>
<td>3450</td>
<td>167</td>
<td>275</td>
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#### RO-XL (wide)

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<tr>
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<th>Filling height (cm)</th>
<th>Width (cm)</th>
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<th>Empty weight (kg)</th>
<th>Spread width (m)</th>
<th>Output (kg/min)</th>
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<td>1875</td>
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<td>565</td>
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<tr>
<td>RO-XL 3225</td>
<td>3225</td>
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<td>290</td>
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<td>595</td>
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#### RO-EDW / RO-EDW GEOspread (narrow)

<table>
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<tr>
<th>Model</th>
<th>Hopper capacity (l)</th>
<th>Filling height (cm)</th>
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<tr>
<td>RO-EDW GEOspread 1500</td>
<td>1500</td>
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<td>275</td>
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<td>665</td>
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<td>275</td>
<td>269</td>
<td>695</td>
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</tr>
<tr>
<td>RO-EDW GEOspread 2800</td>
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<td>275</td>
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<td>725</td>
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<tr>
<td>RO-EDW GEOspread 3450</td>
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<td>275</td>
<td>269</td>
<td>755</td>
<td>12-45*</td>
<td>10-320</td>
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#### RO-EDW / RO-EDW GEOspread (wide)

<table>
<thead>
<tr>
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<tr>
<td>RO-EDW GEOspread 1875</td>
<td>1875</td>
<td>120</td>
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<td>284</td>
<td>795</td>
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</table>

* Depending on fertiliser type

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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 aimed at the professional farming community, covering the areas of soil preparation, seeding, forage and bale equipment, spreading, spraying and electronic solutions for agricultural tractors and machinery.

Original 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.

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.

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