# CULTIVATION RANGE

Designed and built in the UK to the ISO9001:2008 quality benchmark, McConnel's range of Discaerators and Shakaerators can play a key part in your soil preparation plans.

LAYING THE FOUNDATIONS FOR GREATER CROP YIELDS





#### INNOVATIVE McConnel machines deliver high performance and low disturbance, using innovative Shakaerator vibration unit technology and a worldfamous low-draught leg design to deliver exceptional results. **LEG DESIGN** Perfected over four decades, McConnel's world-famous sabre-style low-draught legs are INTERCHANGEABLE, POINT OPTIONS proven the world over. The unique, forward position and angle of the point A choice of wide delta and standard Euro points is ensures the soil is heaved and shattered ahead of available enabling operators to tailor their machine the shank reducing draught requirements by easing the passage of the leg through the ground and or peak performance in deep or shallow soil. reducing the risk of horizontal compaction. For a wider heave and greater soil movement at shallower depths, the 250mm wide delta Legs, points and shins are all cast from highpoint can be fitted. quality, hardened steel delivering unrivalled wear rates for minimal downtime and operating costs. All wearing parts can be quickly and simply replaced





#### **ENHANCED CULTIVATION**

Unlike conventional cultivation techniques which bring unwanted subsoil to the surface, McConnel machines feature a sharply tapered leading edge which not only prevents bow waves from building up and compacting the soil ahead, but also ensures the soil is heaved and aerated without any mixing of top-soil and subsoil

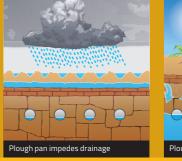


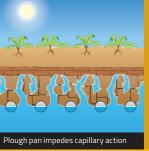
in the field further reducing downtime.

#### REAP THE BENEFITS

The legs pass through the ground heaving and shattering the soil upwards, minimising surface disturbance because the impact is felt in the soil below.

This removes soil compaction and plough pans creating space for the roots to grow and moisture to percolate – resulting in highly effective capillary aeration.







Plough pan impedes root development



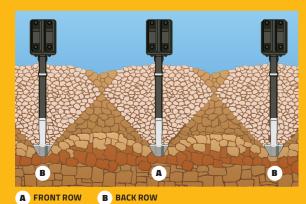




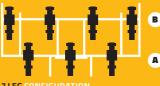
### **LEG DESIGN** ADVANCED FEATURES

#### LEG SPACING AND CONFIGURATION

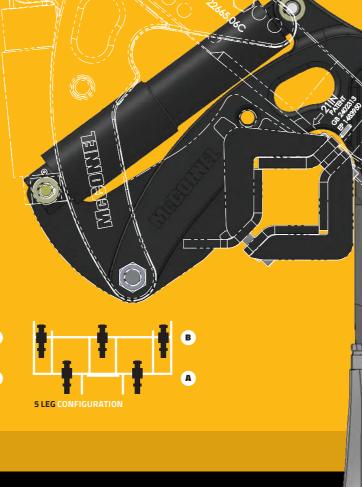
McConnel's range of Shakaerators and Discaerators can be fitted with a wide variety of different leg configurations to suit soil types, tractor horsepower and customer preference. Two rows of legs ensure there is sufficient space between the heave zones of the working legs, eliminating the risk of lateral compaction accruing.



The staggered formation of the legs also lowers draught as each shank helps its neighbour.







### PERFECT FOR WORKING IN THE TOUGHEST TERRAIN



#### **BREAKAWAY LEG TECHNOLOGY**

McConnel's patented gas-strut breakaway protection system allows the legs to break-back up to 50 degrees on contact with an obstacle and then automatically returns the legs to the working position without the need for operator input.

Each leg has its own independent gas-strut so the breakback pressure for each leg remains constant even if multiple

legs break-back simultaneously-ensuring complete protection in the toughest conditions.

All gas-struts are factory charged with nitrogen ensuring long-life and consistent, stable pressure without the need for hydraulic input from the tractor.

#### MCCONNEL VIBRATION UNIT

McConnel's unique vibration unit dramatically reduces draught by shattering the soil and easing the passage of the machine's legs through the ground.

This unique action ensures a lower tractor horsepower requirement compared to machines without vibration units, reducing fuel consumption and operating costs, and aiding traction.

The entire machine is moved up and down and side to side as it travels through the ground at a rate of 500-600 vibrations per minute delivering a vigorous shattering action that breaks up the soil, creates fissures and eases compaction.

The tractor is completely isolated from vibration because the energy is all absorbed within the soil, so users will never notice any shaking inside the cab.

### ROLLERS AND OTHER ACCESSORIES

MCCONNEL OFFERS A CHOICE OF FOUR DIFFERENT ROLLERS

#### FLAT ROLLER



SHARK-FIN PACKER ROLLER

RIDGE PACKER ROLLER

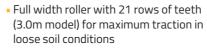
**CONSOLIDATOR ROLLER** 

#### **SUITABILITY: Grassland Shakaerator**

- Smooth full-width flat roller
- 600mm diameter
- Removable plug to add water ballast
- Minimal surface disturbance
- Weight: 300kg



#### **SUITABILITY:** Grassland Shakaerator, Shakaerator, Discaerator



- 600mm diameter
- Removable plug to add water ballast
- Highly effective clod breaking
- Weight: 420kg

#### **SUITABILITY: Shakaerator, Discaerator**

- Full width ridge roller
- 12 ridges provide an ideal surface finish with vee channels for drainage and a fine crumb tilth
- Option of 600mm or 800mm diameter
- Weight: 730kg (3.0m, 800mm roller)



- Weight: 450kg (3.0m, 600mm roller)



#### **SUITABILITY: Shakaerator, Discaerator**

- Full width consolidator roller
- Constructed from Hardox steel for the best in durability and longevity
- Consolidates the seed-bed, leaving behind a ridged, weather-resistant surface
- Weight: 580kg
- 700mm diameter



#### OTHER ACCESSORIES

#### SEEDER UNIT

McConnel can offer a fully fitted Stocks seeder unit for sowing small seeds including oil seed rape. The unit sits between the discs and roller enabling farmers to carry out a complete sub-soil and seeding solution in a single pass.

#### **GRASSLAND DISCS**

Pivoting spring-loaded discs can be added to cut through turf and surface residue for minimal surface disturbance.

#### **REAR LINKAGE**

Optional rear linkage and PTO through-drive can be added to the Shakaerator 300 Classic enabling a secondary implement to be attached such as a rotavator for additional functionality.





SHAKAERATOR 300 CLASSIC

| MODEL                            | 300 CLASSIC                |
|----------------------------------|----------------------------|
| Main frame                       |                            |
| Working width                    | 3.0m (9' 10")              |
| Frame type - Ridged              | 1-piece frame              |
| Attachment - 3pt. linkage        | CATII                      |
| Working depth range              | Max 355mm (14")            |
| Depth adjustment increments      | Variable                   |
| Road lighting kit                |                            |
| Legs and points                  |                            |
| Number of legs                   | 5 or 7                     |
| Leg spacing                      | 600mm (5 leg)/430mm (7 leg |
| Leg length                       | 600mm (24")                |
| Gas-strut auto re-set protection | _                          |
| Shear-pin protection             | -                          |
| Standard 'Euro' point            | -                          |
| Wide 'Delta' point               |                            |
| Wear shin                        | •                          |
| Vibration unit                   |                            |
| Hydraulic drive                  | _                          |
| 540 PTO drive                    | -                          |
| 1000 PTO drive                   |                            |
| Rear packers                     |                            |
| 600mm (24") Consolidator         | _                          |
| 600mm (24") Ridge packer         | _                          |
| 600mm (24") Shark-fin packer     | •                          |
| 600mm (24") Flat roller          | _                          |
| Rear scrapers                    | •                          |
| Options                          |                            |
| Leading disc                     |                            |
| Hydraulic rear linkage           |                            |
| Dimensions                       |                            |
| Machine weight*                  | 1,300kg                    |
| Transport width                  | 3.25m (10° 8")             |
| Transport height                 | 1.8m (5' 11")              |
| Requirement                      |                            |

■ Standard Equipment □ Optional Equipment − Not available \* Dependent on specification

# A PROVEN PEDIGREE

One of McConnel's most popular cultivation products, the Shakaerator 300 Classic is a deep soil conditioner that has proven itself all over the world in a wide variety of weather and soil conditions.

Available in a 3.0m working width, the machine is rugged and robust, features McConnel's innovative vibration unit which breaks up the ground, and low-draught legs.



#### KEY FEATURES

Designed for arable farmers and contractors, the machin is an ideal tool for relieving compaction and aiding water percolation.

- McConnel's entry-level arable machine offers exceptional value for money
- Available with rear linkage, allowing a second implement to be worked simultaneously

A timeless classic, the Shakaerator builds on a 40-year design pedigree.



SHAKAERATOR 3000

| MODEL                            | 3000                       |
|----------------------------------|----------------------------|
| Main frame                       |                            |
| Working width                    | 3.0m (9' 10")              |
| Frame type - Ridged              | 1-piece frame              |
| Attachment - 3pt. linkage        | CAT II                     |
| Working depth range (24" leg)    | Max 355mm (14")            |
| Working depth range (30" leg)    | Max 457mm (18")            |
| Depth adjustment increments      | 25mm (1")                  |
| Road lighting kit                |                            |
| Legs and points                  |                            |
| Number of legs                   | 5 or 7                     |
| Leg spacing                      | 600mm (5 leg)/430mm (7 leg |
| Leg length                       | 600mm (24") or 750mm (30°  |
| leg height adjustment increments | 25mm (1")                  |
| Gas-strut auto reset protection  |                            |
| Shear-pin protection             |                            |
| Standard 'Euro' point            |                            |
| Wide 'Delta' point               |                            |
| Wear shin                        | •                          |
| Vibration unit                   |                            |
| Hydraulic drive                  |                            |
| 540 PTO drive                    | _                          |
| 1000 PTO drive                   | _                          |
| Rear packers                     |                            |
| 600mm (24") Consolidator         |                            |
| 600mm (24") Ridge packer         |                            |
| 600mm (24") Shark-fin packer     |                            |
| 600mm (24") Flat roller          | _                          |
| Rear scrapers                    | •                          |
| Options                          |                            |
| Leading disc                     |                            |
| Dimensions                       |                            |
| Machine weight*                  | 1,350kg                    |
| Transport width                  | 3.05m (10' 0")             |
| Transport height                 | 1.8m (5' 11")              |
| Requirement                      |                            |
| Minimum tractor horse power      | 125hp                      |

### A MODERN CLASSIC

The latest incarnation of the classic Shakaerator design, this machine features a 3.0m working width and delivers outstanding deep soil conditioning.

Tough and durable, the Shakaerator 3000 has been designed to work in challenging conditions with the addition of auto-reset legs.

#### KEY FEATURES

created for large-scale arable farmers and contractors seeking a rugged and effective ow-draught sub-soiler.

- Gas-strut auto-reset legs protect the machine and enable operators to work in challenging conditions
- Self-contained hydraulic vibration unit with no need for a PTO shaft







SHAKAERATOR 400/500 CLASSIC

| Main frame  | MODEL                            | 400 CLASSIC                | 500 CLASSIC               |
|---|----------------------------------|----------------------------|---------------------------|
| Frame type - Hydraulic folding Attachment - 3pt. linkage Attachment - | Main frame                       |                            |                           |
| Attachment - 3pt linkage  | Working width                    | 4.0m (13' 1")              | 5.0m (16' 5")             |
| Working depth range (24" legs)         Max 355 mm (14")         Max 355 mm (14")           Working depth range (30" legs)         Max 500 mm (20")         Max 500 mm (20")           Depth adjustment increments         25mm (1")         25mm (1")           Road lighting kit         ■         ■           Legs and points         Number of legs         7 or 9         9 or 11           Leg spacing         570mm or 470mm         570mm or 470mm           Leg length         600mm (24") or 750mm (30")         600mm (24") or 750mm (30")           Leg height adjustment increments         25mm (1")         25mm (1")           Gas-strut auto re-set protection         □         □           Shear-pin protection         □         □           Standard 'Euro' point         □         □           Wide 'Delta' point         □         □           Wear shin         ■         ■           Vibration unit         □         □           Hydraulic drive         □         □           540 PTO drive         □         □           Rear packers         □         □           600mm (24") Ridge packer         □         □           600mm (24") Flat roller         □         □           Rear scrapers   | Frame type - Hydraulic folding   | 3-piece folding            | 3-piece folding           |
| Working depth range (30" legs)         Max 500 mm (20")         Max 500 mm (20")           Depth adjustment increments         25mm (1")         25mm (1")           Road lighting kit         ■         ■           Legs and points         Number of legs         7 or 9         9 or 11           Leg spacing         570mm or 470mm         570mm or 470mm           Leg length         600mm (24") or 750mm (30")         600mm (24") or 750mm (30")           leg height adjustment increments         25mm (1")         600mm (24") or 750mm (30")           leg height adjustment increments         25mm (1")         600mm (24") or 750mm (30")           leg height adjustment increments         25mm (1")         600mm (24") or 750mm (30")           leg height adjustment increments         25mm (1")         600mm (24") or 750mm (30")         600mm (24") or 750mm (30")           leg height adjustment increments         25mm (1")         600mm (24") or 750mm (30")         600mm (24") or 750mm (30")           Standard 'Euro' point         □         □         □           Wide 'Delta' point         □         □ </td <td>Attachment - 3pt. linkage</td> <td>CATII</td> <td>CAT II</td>  | Attachment - 3pt. linkage        | CATII                      | CAT II                    |
| Depth adjustment increments         25mm (1")         25mm (1")           Road lighting kit         ■         ■           Legs and points         7 or 9         9 or 11           Leg spacing         570mm or 470mm         570mm or 470mm           Leg length         600mm (24") or 750mm (30")         600mm (24") or 750mm (30")           Leg height adjustment increments         25mm (1")         25mm (1")           Gas-strut auto re-set protection         □         □           Shear-pin protection         □         □           Standard 'Euro' point         □         □           Wide 'Delta' point         □         □           Wear shin         ■         ■           Vibration unit         □         □           Hydraulic drive         □         □           540 PTO drive         □         □           Fear packers         □         □           600mm (24") Ridge packer         □         □           600mm (24") Flat roller         □         □           Rear scrapers         ■         ■           Options         ■         □           Leading disc         □         □           Dimensions         ■         ■  | Working depth range (24" legs)   | Max 355 mm (14")           | Max 355 mm (14")          |
| Road lighting kit   | Working depth range (30" legs)   | Max 500 mm (20")           | Max 500 mm (20")          |
| Legs and points         7 or 9         9 or 11           Leg spacing         570mm or 470mm         570mm or 470mm           Leg length         600mm (24") or 750mm (30")         600mm (24") or 750mm (30")           leg height adjustment increments         25mm (1")         25mm (1")           Gas-strut auto re-set protection         □         □           Shear-pin protection         □         □           Standard 'Euro' point         □         □           Wide 'Delta' point         □         □           Wear shin         ■         ■           Vibration unit         □         □           Hydraulic drive         □         □           540 PTO drive         □         □           1000 PTO drive         □         □           Rear packers         □         □           600mm (24") Ridge packer         □         □           600mm (24") Ridge packer         □         □           600mm (24") Flat roller         □         □           Rear scrapers         ■         ■           Options         □         □           Leading disc         □         □           Dimensions          Machine weight*         3,900   | Depth adjustment increments      | 25mm (1")                  | 25mm (1")                 |
| Number of legs         7 or 9         9 or 11           Leg spacing         570mm or 470mm         570mm or 470mm           Leg length         600mm (24") or 750mm (30")         600mm (24") or 750mm (30")           leg height adjustment increments         25mm (1")         25mm (1")           Gas-strut auto re-set protection                                     Shear-pin protection                                     Standard 'Euro' point                                     Wide 'Delta' point                                     Wear shin                                     Vibration unit           Hydraulic drive                                     540 PTO drive                                     Fear packers                                     600mm (24") Consolidator                                     600mm (24") Ridge packer                                     600mm (24") Flat roller                                     Rear scrapers                                     Options           Leading disc                                     Dimensions           Machine weight**         3,900kg         4,400kg   | Road lighting kit                |                            | •                         |
| Number of legs         7 or 9         9 or 11           Leg spacing         570mm or 470mm         570mm or 470mm           Leg length         600mm (24") or 750mm (30")         600mm (24") or 750mm (30")           leg height adjustment increments         25mm (1")         25mm (1")           Gas-strut auto re-set protection                                     Shear-pin protection                                     Standard 'Euro' point                                     Wide 'Delta' point                                     Wear shin                                     Vibration unit           Hydraulic drive                                     540 PTO drive                                     Fear packers                                     600mm (24") Consolidator                                     600mm (24") Ridge packer                                     600mm (24") Flat roller                                     Rear scrapers                                     Options           Leading disc                                     Dimensions           Machine weight**         3,900kg         4,400kg   | Legs and points                  |                            |                           |
| Leg length         600mm (24") or 750mm (30")         600mm (24") or 750mm (30")           leg height adjustment increments         25mm (1")         25mm (1")           Gas-strut auto re-set protection                                     Shear-pin protection                                     Standard 'Euro' point                                     Wide 'Delta' point                                     Wear shin                                   Vibration unit           Hydraulic drive                                     540 PTO drive                                     540 PTO drive                                     600mm (24") Consolidator                                     600mm (24") Ridge packer                                     600mm (24") Flat roller                                     Rear scrapers                                     Options                                   Leading disc                                     Dimensions                                   Machine weight*                                     Tansport width  |                                  | 7 or 9                     | 9 or 11                   |
| Leg height adjustment increments  | Leg spacing                      | 570mm or 470mm             | 570mm or 470mm            |
| Gas-strut auto re-set protection  | Leg length                       | 600mm (24") or 750mm (30") | 600mm (24") or 750mm (30' |
| Shear-pin protection  | leg height adjustment increments | 25mm (1")                  | 25mm (1")                 |
| Standard 'Euro' point   | Gas-strut auto re-set protection |                            |                           |
| Wide 'Delta' point       □       □         Wear shin       ■       ■         Vibration unit         Hydraulic drive       □       □         540 PTO drive       □       □         1000 PTO drive       □       □         Rear packers         600mm (24") Consolidator       □       □         600mm (24") Ridge packer       □       □         600mm (24") Flat roller       □       □         Rear scrapers       ■       ■         Options       □       □         Leading disc       □       □         Dimensions       □       □         Machine weight*       3,900kg       4,400kg         Transport width       3.0m (9' 10")       3.0m (9' 10")   | Shear-pin protection             |                            |                           |
| Wear shin         ■           Vibration unit         Updraulic drive           540 PTO drive         —           1000 PTO drive         —           Rear packers         —           600mm (24") Consolidator         —           600mm (24") Ridge packer         —           600mm (24") Flatroller         —           600mm (24") Flat roller         —           Rear scrapers         ■           Options         —           Leading disc         —           Dimensions         —           Machine weight*         3,900kg         4,400kg           Transport width         3.0m (9' 10")         3.0m (9' 10")   | Standard 'Euro' point            |                            |                           |
| Vibration unit  | Wide 'Delta' point               |                            |                           |
| Hydraulic drive   | Wear shin                        |                            |                           |
| 540 PTO drive   | Vibration unit                   |                            |                           |
| Tool PTO drive  | Hydraulic drive                  |                            |                           |
| Rear packers         □         <  | 540 PTO drive                    | _                          | -                         |
| 600mm (24") Consolidator □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □  | 1000 PTO drive                   | _                          | _                         |
| 600mm (24") Ridge packer □ □ □ 600mm (24") Shark-fin packer □ □ 600mm (24") Flat roller □ □ Rear scrapers □ □  Options Leading disc □ □  Dimensions  Machine weight* 3,900kg 4,400kg Transport width 3.0m (9' 10") 3.0m (9' 10")  | Rear packers                     |                            |                           |
| 600mm (24") Shark-fin packer □ □ □ 600mm (24") Flat roller − − − Rear scrapers ■ ■  Options Leading disc □ □  Dimensions  Machine weight* 3,900kg 4,400kg Transport width 3.0m (9' 10") 3.0m (9' 10")   | 600mm (24") Consolidator         |                            |                           |
| 600mm (24") Flat roller   | 600mm (24") Ridge packer         |                            |                           |
| Coptions         Image: Copy of the copy of t                                 | 600mm (24") Shark-fin packer     |                            |                           |
| Options   | 600mm (24") Flat roller          | _                          | -                         |
| Leading disc  | Rear scrapers                    |                            |                           |
| Dimensions         3,900kg         4,400kg           Machine weight*         3.0m (9' 10")         3.0m (9' 10")  | Options                          |                            |                           |
| Machine weight*         3,900kg         4,400kg           Transport width         3.0m (9' 10")         3.0m (9' 10")   | Leading disc                     |                            |                           |
| Transport width 3.0m (9' 10") 3.0m (9' 10")   | Dimensions                       |                            |                           |
| ·   | Machine weight*                  | 3,900kg                    | 4,400kg                   |
| Transport height 1.6m (5' 3") 1.6m (5' 3")  | Transport width                  | 3.0m (9' 10")              | 3.0m (9' 10")             |
|   | Transport height                 | 1.6m (5' 3")               | 1.6m (5' 3")              |
|   | Minimum tractor horse power      | 180hp                      | 240hp                     |

### OUTSTANDING VERSATILITY

A value-for-money high-output sub soil conditioner with an innovative folding frame design.

The machine's folding wings grant farmers greater flexibility, reducing horsepower requirements when the ground is heavy - enabling the machine to work on smaller tractors, and proving highly effective when called upon to treat tramlines.





#### **KEY FEATURES**

Designed for farmers looking for performance and value and who want the versatility to switch the working width to match the soil conditions and different tractors.

- Foldable wing extensions boost the working width to 4.0 or 5.0m hydraulically
- Can be used as a3.0m machine with the wings folded



SHAKAERATOR 4000/5000

| MODEL                            | 4000                          | 5000                         |
|----------------------------------|-------------------------------|------------------------------|
| Main frame                       |                               |                              |
| Working width                    | 4.0m (13' 1")                 | 5.0m (16' 5")                |
| Frame type - Hydraulic folding   | 2-piece folding               | 2-piece folding              |
| Attachment - 3pt. linkage        | CAT III & IV                  | CAT III & IV                 |
| Working depth range              | Max 500mm (20")               | Max 500mm (20")              |
| Depth adjustment increments      | 25mm (1")                     | 25mm (1")                    |
| Road lighting kit                | •                             |                              |
| Legs and points                  |                               |                              |
| Number of legs                   | 7 or 9                        | 9 or 11                      |
| Leg spacing                      | 570mm or 470mm                | 570mm or 470mm               |
| Leg length                       | 750mm (30")                   | 750mm (30")                  |
| leg height adjustment increments | 25mm (1")                     | 25mm (1")                    |
| Gas-strut auto re-set protection |                               |                              |
| Shear-pin protection             |                               |                              |
| Standard 'Euro' point            |                               |                              |
| Wide 'Delta' point               |                               |                              |
| Wear shin                        |                               |                              |
| Vibration unit                   |                               |                              |
| Hydraulic drive                  |                               |                              |
| 540 PTO drive                    | -                             | _                            |
| 1000 PTO drive                   | _                             | _                            |
| Rear packers                     |                               |                              |
| 600mm (24") Consolidator         |                               |                              |
| 600mm (24") Ridge packer         |                               |                              |
| 600mm (24") Shark-fin packer     |                               |                              |
| 600mm (24") Flat roller          | _                             | _                            |
| Rear scrapers                    |                               |                              |
| Dimensions                       |                               |                              |
| Machine weight*                  | 3,900kg                       | 4,400kg                      |
| Transport width                  | 2.52m - 2.83m (8' 3" - 9' 3") | 2.52m - 2.83m (8' 3" - 9' 3" |
| Transport height                 | 2.1m (6' 10")                 | 2.1m (6' 10")                |
| Requirement                      |                               |                              |

# GROUND-BREAKING PRODUCTIVITY

McConnel's largest and most productive deep soil conditioners with working widths up to 5.0m. They are ideal for improving drainage, relieving compaction, and delivering greater crop yields.

The machines are exceptionally robust with a redesigned steel frame, gas-strut breakaway legs, and a fast and effective folding mechanism.



#### **KEY FEATURES**

Created for large-scale farmer the Shakaerator 4000 and 5000 heave and aerate the soi without mixing topsoil and subsoil.

- Nitrogen gas-strut breakaway legs improve performance over the ground and reduce downtime by flexing and then automatically resetting on contact with a hard object
- Heavy-duty two piece frame for exceptionable durability
- Mounted and trailed machines available

Available with a choice of Ridge packer,
Shark-fin and Consolidator rollers.



CULTIVATION

DISCAERATOR 3000

| MODEL                            | 3000            |
|----------------------------------|-----------------|
| MODEL                            | 3000            |
| Main frame                       |                 |
| Working width                    | 3.0m (13' 1")   |
| Frame type                       | Rigid frame     |
| Attachment - 3pt. linkage        | CAT III         |
| Working depth range              | Max 400mm (1    |
| Depth adjustment increments      | 25mm (1")       |
| Road lighting kit                | •               |
| Legs and points                  |                 |
| Number of legs                   | 5 or 7          |
| Leg spacing                      | 600mm or 430n   |
| Leg length                       | 750mm (30")     |
| leg height adjustment increments | 25mm (1")       |
| Gas-strut auto reset protection  | -               |
| Shear-pin protection             |                 |
| Standard 'Euro' point            | •               |
| Wide 'Delta' point               |                 |
| Wear shin                        |                 |
| Discs                            |                 |
| 508mm Concave & Serrated         | •               |
| Disc Angle                       | 15° (opposed    |
| Shock-absorbing mountings        | •               |
| Disc Configuration – First row   | 6 discs @ 500n  |
| Disc Configuration – Rear row    | 11 discs @ 250r |
| Rear packers                     |                 |
| 600mm (24") Consolidator         |                 |
| 600mm (24") Ridge packer         |                 |
| 800mm (32") Ridge packer         |                 |
| 600mm (24") Shark-fin packer     |                 |
| Rear scrapers                    | •               |
| Options                          |                 |
| Stock Seeder Unit                |                 |
| Dimensions                       |                 |
| Machine weight*                  | 2,450kg         |
| Transport width                  | 3.0m (9' 11")   |
| Transport height                 | 1.6m (5' 3")    |
| Requirement                      |                 |
| Minimum tractor horse power      | 180hp           |

# SINGLE PASS SOLUTION

An outstanding single-pass deep soil cultivator, the Discaerator 3000 incorporates surface trash and stubble; heaves and aerates the soil; and then consolidates the surface for a weather-proof finish – saving time, money and fuel consumption.

Equipped with two rows of shock-resistant concave discs which break up clods to create a fine tilth, the Discaerator delivers the perfect conditions for crop establishment.

#### **KEY FEATURES**

reated for farmers and ontractors, the machine has a roductive 3.0m working width and features a choice of five or even subsoiler legs and packer ollers.

- Available with the Stocks Turbojet
  Seeder Unit which can be
  factory-fitted for convenience
- Rear roller can be adjusted backwards, providing room for seed to be placed in front of the packers

The Discaerator is available with a choice of Ridge packer, Shark-fin, and Consolidator rollers.





CULTIVATION

D SCA = RATO R 4000/5000/6000

| MODEL                            | 4000                             | 5000                              | 6000                            |
|----------------------------------|----------------------------------|-----------------------------------|---------------------------------|
| Main frame                       |                                  |                                   |                                 |
| Working width                    | 4.0m (13' 1")                    | 5.0m (16' 5")                     | 6.0m (19' 8")                   |
| Frame type                       | 2-piece folding                  | 2-piece folding                   | 2-piece folding                 |
| Attachment - trailed             | Drawbar                          | Drawbar                           | Drawbar                         |
| Working depth range              | 500 mm (20")                     | 500 mm (20")                      | 500 mm (20")                    |
| Depth adjustment increments      | 25mm (1")                        | 25mm (1")                         | 25mm (1")                       |
| Road lighting kit                | •                                | -                                 | -                               |
| Legs and points                  |                                  |                                   |                                 |
| Number of legs                   | 7 or 9                           | 9 or 11                           | 11 or 13                        |
| Leg spacing                      | 570mm (7 leg) -<br>445mm (9 leg) | 555mm (9 leg) -<br>455mm (11 leg) | 545mm (11 leg)<br>460mm (13 leg |
| Leg length                       | 750mm (30")                      | 750mm (30")                       | 750mm (30")                     |
| leg height adjustment increments | 25mm (1")                        | 25mm (1")                         | 25mm (1")                       |
| Gas-strut auto re-set protection |                                  |                                   | -                               |
| Mechanical shear-pin protection  |                                  |                                   |                                 |
| Standard 'Euro' point            |                                  |                                   | -                               |
| Wide 'Delta' point               |                                  |                                   |                                 |
| Wear shin                        |                                  | -                                 | -                               |
| Discs                            |                                  |                                   |                                 |
| 508mm Concave & Serrated         |                                  |                                   |                                 |
| Disc Angle                       | 15° (opposed)                    | 15° (opposed)                     | 15° (opposed)                   |
| Shock-absorbing mountings        | •                                |                                   |                                 |
| Disc Configuration – First row   | 9 discs @ 500mm                  | 11 discs @ 500mm                  | 13 discs @ 500n                 |
| Disc Configuration – Rear row    | 17 discs @ 250mm                 | 21 discs @ 250mm                  | 25 discs @ 250n                 |
| Rear packers                     |                                  |                                   |                                 |
| 600mm (24") Consolidator         |                                  |                                   |                                 |
| 600mm (24") Ridge packer         |                                  |                                   |                                 |
| 600mm (24") Shark-fin packer     |                                  |                                   |                                 |
| 600mm (24") Flat roller          | _                                | _                                 | -                               |
| Rear scrapers                    |                                  | -                                 | •                               |
| Dimensions                       |                                  |                                   |                                 |
| Machine weight*                  | 6,700 - 6,900kg                  | TBC                               | TBC                             |
| Transport width                  | 2.85m (9' 4")                    | 2.85m (9' 4")                     | 2.85m (9' 4")                   |
| Transport height                 | 3.2m (10' 6")                    | 3.7m (12' 1")                     | TBC                             |
| Requirement                      |                                  |                                   |                                 |
| Minimum tractor horse power      | 250hp (7-leg builds)             | 300hp (9-leg builds)              | 350hp (11-leg buil              |

Standard Equipment Doptional Equipment — Not available \*Dependent on specification

### SAVES TIME AND MONEY

For those seeking the best in productivity, McConnel can offer the Discaerator in working widths up to 6.0m.

#### KEY FEATURES

Designed for large-scale farmers and contractors, these machines deliver all the labour and time-saving benefits of single-pass cultivation with exceptional working widths.

- Hydraulic depth adjustment allows operators to change leg depth from the comfort of the cab
- Heavy-duty folding mechanism ensures fast, easy transition to and from transport mode



Available with a range of leg configurations and packer options.





CULTIVATION
USRATILT + 300/400 CLASSIC

| MODEL                            | 300 CLASSIC                      | 400 CLASSIC                       |
|----------------------------------|----------------------------------|-----------------------------------|
| Main frame                       |                                  |                                   |
| Working width                    | 3.0m (9' 10")                    | 4.0m (13' 1")                     |
| Frame type - rigid               | 1-piece frame                    | 1-piece frame                     |
| Attachment - 3pt. linkage        | CAT II                           | CAT II                            |
| Working depth range              | 150mm-250mm (6"-9")              | 150mm-250mm (6"-9"                |
| Road lighting kit                | -                                | _                                 |
| Legs and points                  |                                  |                                   |
| Number of legs                   | 6 or 8                           | 8 or 10                           |
| Leg spacing                      | 500mm (6 leg) -<br>375mm (8 leg) | 500mm (8 leg) -<br>400mm (10 leg) |
| Leg length                       | 600mm (24")                      | 600mm (24")                       |
| leg height adjustment increments | Variable                         | Variable                          |
| Gas-strut auto re-set protection | _                                | _                                 |
| Shear-pin protection             |                                  |                                   |
| Standard 'Euro' point            |                                  |                                   |
| Wide 'Delta' point               |                                  |                                   |
| Wear shin                        |                                  |                                   |
| Vibration unit                   |                                  |                                   |
| Hydraulic drive                  | _                                | _                                 |
| 540 PTO drive                    |                                  |                                   |
| 1000 PTO drive                   |                                  |                                   |
| Rear packers                     |                                  |                                   |
| 600mm (24") Consolidator         | _                                | _                                 |
| 600mm (24") Ridge packer         | -                                | _                                 |
| 600mm (24") Shark-fin packer     | _                                | _                                 |
| 600mm (24") Flat roller          | _                                | _                                 |
| Rear scrapers                    | _                                | _                                 |
| Dimensions                       |                                  |                                   |
| Machine weight*                  | 950kg                            | 1,100kg                           |
| Transport width                  | 3.3m (10' 10")                   | 4.3m (14' 1")                     |
| Transport height                 | 1.6m                             | 1.6m                              |
| Requirement                      |                                  |                                   |
| Minimum tractor horse power      | 150hp                            | 180hp                             |

l Standard Equipment □ Optional Equipment − Not available \* Dependent on spec

### POWERFUL COMBINATIONS

A compact cultivation tool that is designed to work in combination with other machinery, the Vibratilth is light, simple-to-use and helps operators expand their functionality.



#### KEY FEATURES

Available in 3.0m and 4.0m working widths, the Vibratilth has been designed to work in combination with such devices as power harrows and rotavators, for effective single pass soil cultivation.

- Front or rear mounting options
- Low tractor horsepower requirements

The Vibratilth is compatible with a wide range of secondary machinery, boosting productivity.