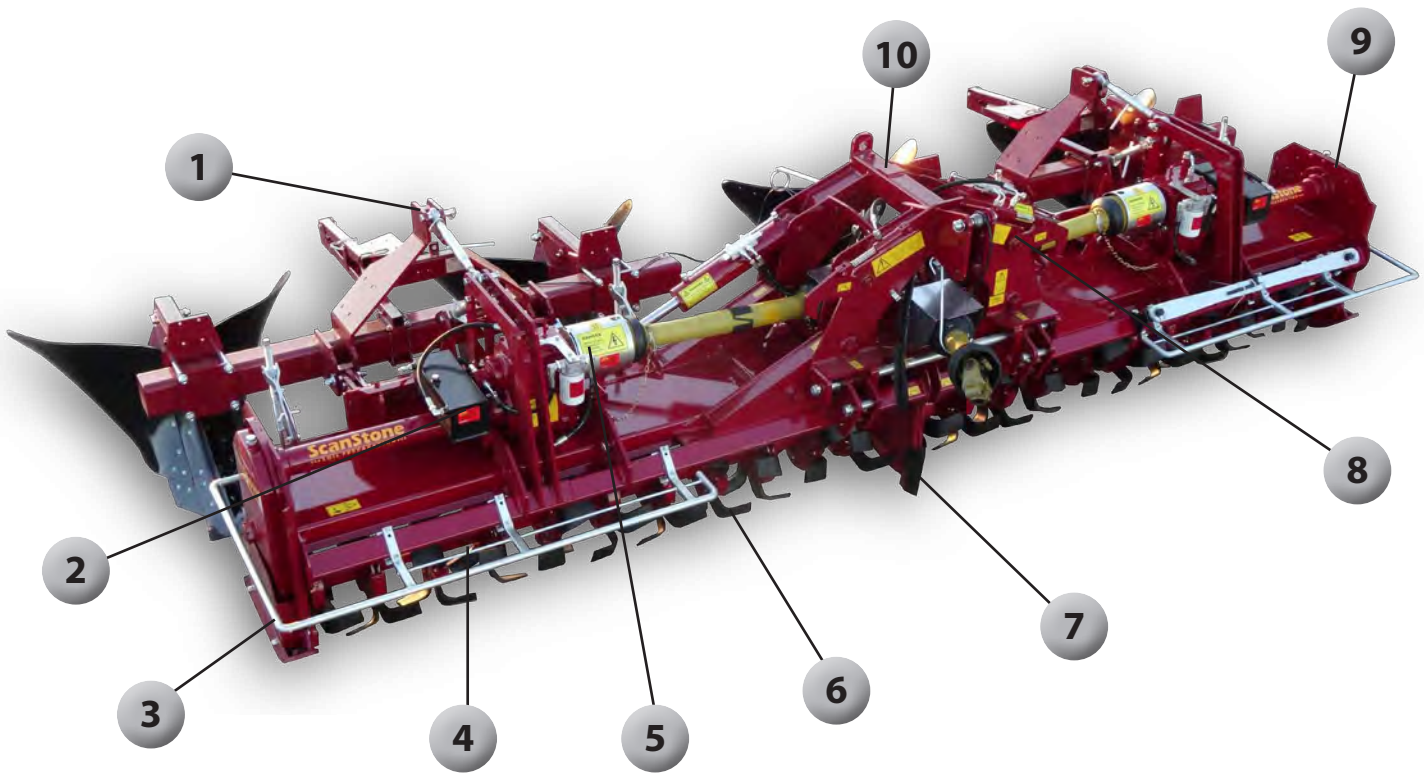


N° 004

ScanStone
POTATO SYSTEMS



**5.4M TRIPLE
BED TILLER**

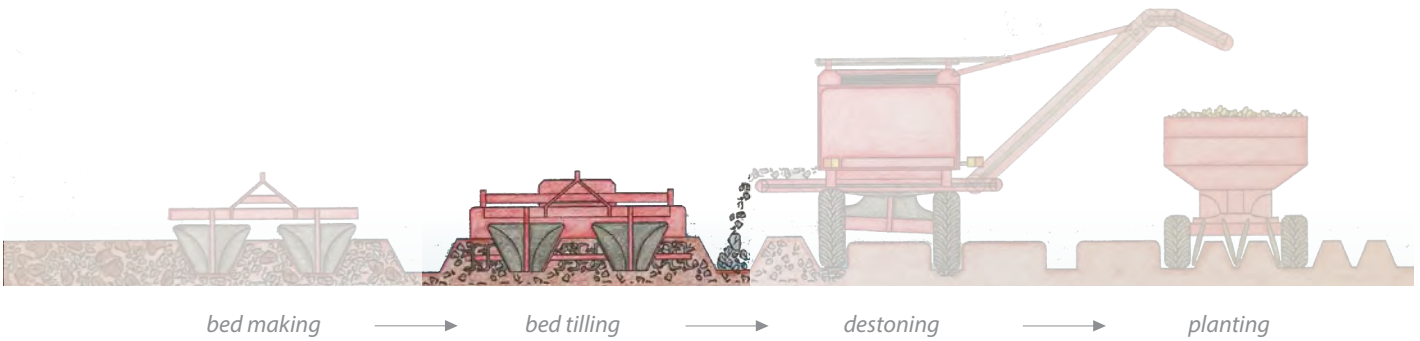


- 1 Option of **classic** or **chateau-style ploughs** mounted on **independent frame** with **depth and pitch adjustment**
- 2 Reduction gearboxes **oil coolers**
- 3 Underside **replaceable wear strip**
- 4 Suitable **distance between rotor and hood** to reduce wearing on blades and blocking up underneath
- 5 Automatic **CAM style safety clutches**
- 6 Award winning **quick change blades** (with tightening system)
- 7 Heavy duty **centre share** with replaceable blades
- 8 **Reduction gearboxes** reducing torque strain on machine and shafts
- 9 **Chain free** end gearboxes with heavy duty **gears**
- 10 Centre gearbox **oil cooler** option

BED TILLING

THE PROCESS

In heavier soil types or lay ground, the bed tilling process can be appropriate. The ScanStone bed tiller is an efficient and effective machine, primarily due to having quick change blades. Depending on the rotor speed, the bed tiller can do a very fine job or a rougher job depending on how much fuel and energy the farmer wishes to use. The amount of bed tilling should be proportional to the forward speed of the destoner.



QUICK CHANGE BLADE SYSTEM

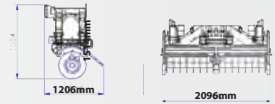
The Quick Change Blade System works with a double flange rotor, locating bolts, and a clip and pin which holds the blade securely. This is a cost-effective system, because the holding bolts and the clip and pin do not need replaced every time a blade is changed, unlike a bolted blade where the operator has to buy 2 bolts and 2 nuts every blade change. It is extremely rare that blades are lost with this system because the hard pin and clip never come off. The flanges are protected by hardened steel wear plates which are reversible and replaceable. See **testimonials** for this mechanism on page **90 & 96**.



1.8M FRONT



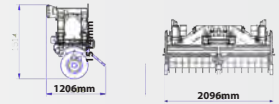
The ScanStone 1.8m single bed tiller is a suitable machine for tractors of no less than 100hp. This front-mounted machine can be combined with a destoner on the rear, to break down exceptionally heavy clod before it enters into the destoner. The machine features the award-winning quick change blades.



1.8M REAR



The ScanStone 1.8m rear mounted single bed tiller is a suitable machine for a tractor of no less than 100hp. When being used for the potato/vegetable application, the machine is normally fitted with bed making ploughs on the rear, which can either have shearbolt protection or hydraulic auto reset. The machine features the award-winning quick change blade system as standard.



3.6M FIXED



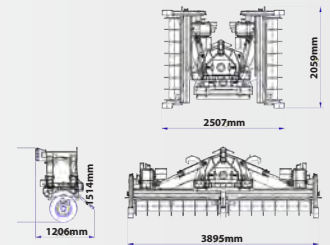
The ScanStone 3.6m fixed bed tiller requires a tractor of no less than 200hp to drive it. The machine can be used for general rotavating or, for the potato application, it can be supplied with a variation of plough configurations; 2 ploughs, 3 ploughs or 4 ploughs (Shown on bed maker section). The fixed model is a less expensive alternative when limited road width is not obligatory.



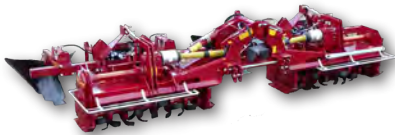
3.6M FOLDING



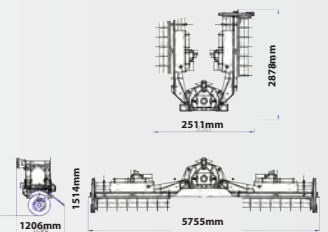
The ScanStone 3.6m folding bed tiller requires a tractor of no less than 200hp to drive it. The machine can be used for general rotavating or, for the potato application, it can be supplied with a variation of plough configurations; 2 ploughs, 3 ploughs or 4 ploughs (Shown on bed maker section). The folding model folds up to an appropriate transport width of under 3m, and they feature a safety transport lock.



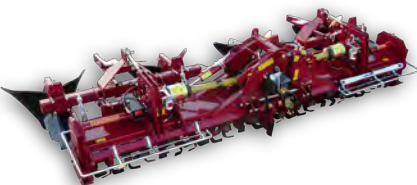
5.4M STRADDLE



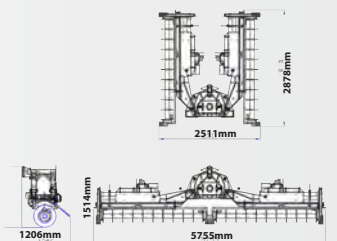
The ScanStone 5.4m straddle bed tiller requires around 200-250 hp for driving, and is essentially 2 tillers on a folding headstock. The machine is recommended to work in preformed rows, however soil intake discs can be supplied when working directly on the plough surface.



5.4M TRIPLE



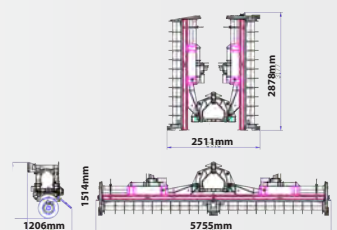
The ScanStone 5.4m triple bed tiller comes as standard as a folding unit. It is especially effective when being used in the potato/root crop sector because it can achieve outstanding depth due to the way the machine is set up. This model is available with various attachments which can be fitted to the rear of the machine.



6M TRIPLE



The ScanStone 6m bed tiller comes as standard as a folding unit. It is especially effective when being used in the potato/root crop sector where row widths are wider, and it is necessary to achieve outstanding depths. This model is available with various attachments which can be fitted to the rear of the machine.



NO ATTACHMENTS

SHEARBOLT PLOUGHS

AUTO RESET PLOUGHS

UN-BT180FM
1.8m Front-Mounted Tiller
Shaping Hoods

1.8F

UN-BT180RM
1.8m Rear-Mounted Tiller
Shaping Hoods

1.8R

UN-BT360FX
3.6m Fixed Tiller
Shaping Hoods

3.6FX

UN-BT360FD
3.6m Folding Tiller
Shaping Hoods

3.6FD

UN-BT540S
5.4m Straddle Tiller
Shaping Hoods

5.4S

UN-BT540
5.4m Triple Tiller
Shaping Hoods

5.4T

UN-BT600
6m Triple Tiller
Shaping Hoods

6

UN-BT180RM/2SB
1.8m Rear-Mounted Tiller
2 Shearbolt Ploughs

UN-BT360FD/2SB
2 Shearbolt Ploughs

UN-BT360FD/3SB
3 SB Fixed Ploughs

UN-BT360FD/4SB
4 SB WF Ploughs

UN-BT360FD/2SB
2 Shearbolt Ploughs

UN-BT360FD/3SB
3 SB Folding Ploughs

UN-BT360FD/4SB
4 SB WF Ploughs

UN-BT540S/4SB
5.4m Straddle Tiller
4 Shearbolt Ploughs

UN-BT540/4SB
5.4m Triple Tiller
4 Shearbolt Ploughs

UN-BT600/4SB
6m Triple Tiller
4 Shearbolt Ploughs

UN-BT180RM/2AR
1.8m Rear-Mounted Tiller
with 2 Auto Reset Ploughs

UN-BT360FD/2AR
2 Shearbolt Ploughs

UN-BT360FD/3AR
3 SB Fixed Ploughs

UN-BT360FD/4AR
4 SB WF Ploughs

UN-BT360FD/2AR
2 Shearbolt Ploughs

UN-BT360FD/3AR
3 AR Folding Ploughs

UN-BT360FD/4AR
4 AR WF Ploughs

UN-BT540S/4AR
5.4m Straddle Tiller
4 Auto Reset Ploughs

UN-BT540/4AR
5.4m Triple Tiller
4 Auto Reset Ploughs

UN-BT600/4AR
6m Triple Tiller
4 Auto Reset Ploughs

**2 SPEED GEARBOX**

Depending on ground conditions, the operator may want to have the rotor running fast or slow. The central gearbox has two ratios.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---

**1000 RPM CENTRE GEARBOX**

The centre gearbox is 1000 rpm to allow tractors of 100hp and above to power the machine.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---

**450 HP GEARBOX**

Heavy duty PTO shafts are used between the centre gearbox and the reducer gearboxes. Using a PTO shaft helps accommodate any flexing during machine work.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---

**CAM-TYPE SAFETY CLUTCH PROTECTION**

Should the machine hit a large stone or immovable object, the drive train is protected by a clutch which is on the end of the PTO shaft.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---

**DOUBLE DRIVE WITH CAM STYLE SAFETY CLUTCHES**

ScanStone bed tillers have a double drive system which increases reliability and decreases strain throughout the machine. The drive is split at the centre gearbox and goes to each outer drive train.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---

**REDUCTION GEARBOXES**

The reduction gearboxes on each side of the bed tiller take away the torque strain on the shafts of the machine. This is done by spreading the reduction throughout the machine and having no long shafts turning slowly.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---

**REDUCTION GEARBOX OIL COOLER** *CE-971098*

In extremely hot conditions, it is recommended that the reduction gearbox is fitted with an oil cooler and cleaner.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---

**CENTRE GEARBOX OIL COOLER** *CE-971851*

In extremely hot conditions, a centre gearbox oil cooler is recommended, although not required in all conditions.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---

**HEAVY DUTY PTO SHAFTS**

Heavy duty PTO shafts are used between the centre gearbox and the reducer gearboxes. Using a PTO shaft helps accommodate any flexing during machine work.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---

**EU ROAD KIT**

The Road Approval kit includes EU-approved lighting, and transport locks to ensure ultimate safety when travelling on the road.

Standard

1.8F	1.8R	3.6FX	3.6FD	5.4S	5.4T	6
------	------	-------	-------	------	------	---



L SHAPED BLADES

L-blades maintain a constant depth for the life of the blade, and do not lose depth as the blade wears.

CE-722573 **Standard**

1.8F | 1.8R | 3.6FX | 3.6FD | 5.4S | 5.4T | 6



C SHAPED BLADES

C-blades require less horsepower and are good for conditions where the soil is lighter and not so heavy. The panning effect is vastly reduced by using C-blades.

CE-722575 **Standard**

1.8F | 1.8R | 3.6FX | 3.6FD | 5.4S | 5.4T | 6



SPIKE

The spike rotor is used when there is no grass or lay conditions and where the soil is easily broken down. Spikes completely eliminate any panning.

BOM-0343 **1,898 €**

1.8F | 1.8R | 3.6FX | 3.6FD | 5.4S | 5.4T | 6



CENTRE SHARE BLADE

A replaceable part that prevents the machine from opening as it glides through the soil.

Standard

1.8F | 1.8R | 3.6FX | 3.6FD | 5.4S | 5.4T | 6



SOIL INTAKE DISCS *pair*

Intake discs are used primarily when working on the ploughed surface. They allow the bed tiller to be dropped into the required working depth of the user. They also protect the side casing of the machine in some conditions.

BOM-0330 **Option**

1.8F | 1.8R | 3.6FX | 3.6FD | 5.4S | 5.4T | 6



DEPTH WHEEL KIT *LH & RH*

Depth wheels maintain the depth of the bed tiller during work and minimise the floatation. These are used when there are no ploughs on the back.

BOM-0338 **Option**

1.8F | 1.8R | 3.6FX | 3.6FD | 5.4S | 5.4T | 6



SPRING LOADED ADJUSTABLE TAILGATE

The rear tailgate on the bed tiller can be adjusted to hold soil into the machine or let it flow through more easily. This is dependent on ground conditions and how thorough a bed tilling job is to be done.

Standard

1.8F | 1.8R | 3.6FX | 3.6FD | 5.4S | 5.4T | 6



REAR LINKAGE WITH DEPTH & PITCH ADJUSTMENT

Each bed tiller comes with a standard hitch system on the rear to allow various styles of ploughs to be fitted. The hitch system has two top links to allow depth and pitch adjustment.

Standard

1.8F | 1.8R | 3.6FX | 3.6FD | 5.4S | 5.4T | 6



TRACK ERADICATOR TINES LH & RH (2 pairs)

Increase the longevity of the tiller blades, particularly the ones behind the tractor wheels.

BOM-0327 **Option**

1.8F 1.8R 3.6FX 3.6FD 5.4S 5.4T 6



TOOLBOX

The toolbox is operator-friendly for storing spare clips, pins and blades, as well as any other piece of maintenance equipment.

BOM-0319 **Option**

1.8F 1.8R 3.6FX 3.6FD 5.4S 5.4T 6



USER MANUAL / MACHINE STICKERS

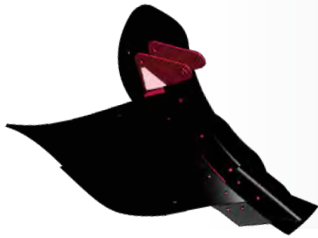
The country of use kit consists of a hard-copy of the user manual and machine stickers in the country's spoken language.

Standard

1.8F 1.8R 3.6FX 3.6FD 5.4S 5.4T 6

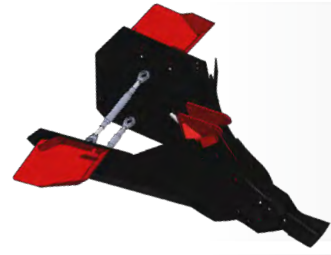
- *English (Standard)*





CLASSIC-STYLE PLOUGHS

Leave a wide bottom trench for the stones and clods to lie in.
Leaves a bed that is quicker to dry.



CHATEAU-STYLE PLOUGHS *Page 24*


Leave a wide bottom trench for the stones and clods to lie in.

- **KIT-1119** (AR) *Per Plough*  (in lieu of classic style)
- **KIT-1116** (AR+) *Per Plough* 



VEGETABLE HOODS *Page 26*


Leaves a deep, shaped bed for planting root crops directly behind the tiller.

- **BOM-0345** *3.6m Width* 
- **BOM-0326** *5.4m Width*
- **BOM-0341** *6.0m Width*



ALBERTA-STYLE HOODS *Page 28*


Stainless Steel hoods, for direct planting when not destoning.

- **BOM-0379** *3.6m Width* 
- **BOM-0380** *5.4m Width*




MINI PLOUGHS *Page 25*

Leave a non-compacted bed for vegetables.

- **KIT-1515** *2 Ploughs* 
- **KIT-1516** *4 Ploughs*




CAGE ROLLERS *Page 27*

- *3.6m Width* 
- *5.4m Width*




SPIKE ROLLERS

- *3.6m Width* 
- *5.4m Width*




PACKER ROLLERS

- *3.6m Width* 
- *5.4m Width*



SPIRAL ROLLERS

- *3.6m Width* 
- *5.4m Width*

CHÂTEAU STYLE

PLOUGHS, HOODS AND ATTACHMENTS

ABOUT

The Château style is an option for 2, 3 and 4-body shearbolt or autoreset bed makers and bed tillers. While still adopting the classic duck foot point, the mouldboards are steeper and longer, leaving a very tidy deep and straight trench. This allows an even intake for the destoner, as well as helping the tractor stay in the trench and prevents the wandering of tractor and destoner wheels.

Two points of angle adjustment

Tail pieces for keeping soil in place

Replaceable wear strips on bottom of mouldboard

**Not compatible with Stabiliser Fins*

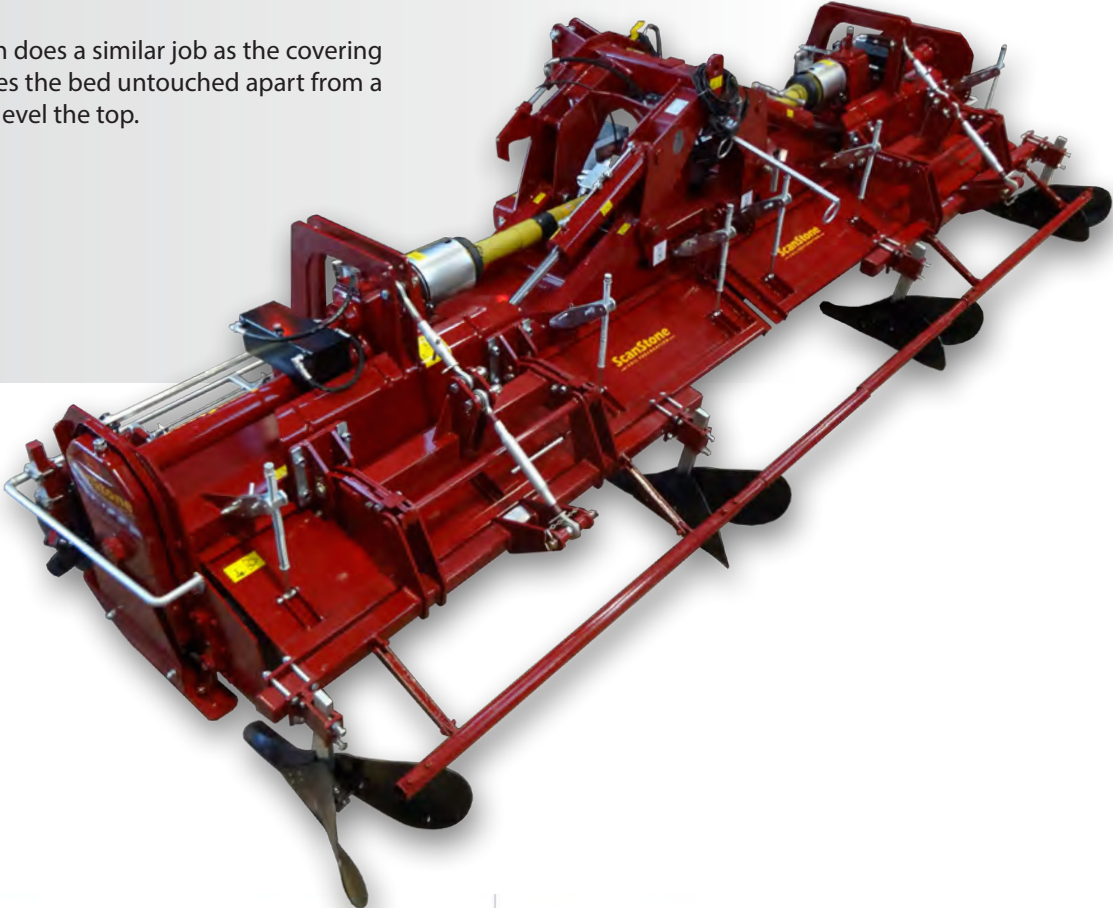


MINI PLOUGHS

PLOUGHS, HOODS AND ATTACHMENTS

ABOUT

The mini plough does a similar job as the covering hoods, but leaves the bed untouched apart from a levelling bar to level the top.



Because we don't destone that much, the mini ploughs were really handy. They left a non-compacted, fluffy bed which was great for planting our potatoes into our soil types. The other good thing was that they could be hitched on and off in a matter of minutes.

COVERING HOODS

PLOUGHS, HOODS AND ATTACHMENTS

ABOUT

The covering hoods are designed only to attach to the rear of the ScanStone bed tiller range. The hoods leave a shaped bed for planting roots directly into the bed, where destoning is not used. There are 2 depths of plough available which sit underneath the hood.

The mini plough does a similar job but leaves the top of the bed untouched apart from a levelling bar to level the top of the bed.



This model is suitable for **3.6m**, **5.4m** and **6m** bed tillers.



Most of our potato ground is reclaimed land, so we don't destone. Using the ScanStone hoods is great because we can quickly unhitch the hoods and put on ridging ploughs for the areas of land which we do destone. The best thing about the ScanStone hoods is that they have depth and pitch adjustment which we found to be at a massive benefit.



ABOUT

The rollers on the back of the bed tillers are designed to follow the machine after carrying out a general cultivation / rotavating pass on the land. There are 4 different variations of the roller attachments, shown on page 23, each having been designed for different uses. Different rollers can work for different grounds depending on following crops and varying moisture levels.



ALBERTA HOODS

PLOUGHS, HOODS AND ATTACHMENTS

ABOUT

The Alberta covering hoods are designed only to attach to the rear of the ScanStone bed tiller range. The hoods leave 6 hills, neatly formed by stainless steel hoods for planting directly into. This is for using when a destoner is not needed.



Finding land in close proximity of our farm has been increasingly difficult in recent years. Over in Canada we have found ourselves having to take ground further and further away from the farm and in stonier conditions which is not ideal. Using the ScanStone rotavator system plus the stainless steel hoods was the only way to plant potatoes on an increased surface area.



GALLERY 5

BED TILLERS



**1.8M SINGLE BED TILLER
WITH 2 BODY BED MAKER**



**3.6M FOLDING BED TILLER
WITH 2 BODY BED MAKER**

GALLERY 6

BED TILLERS



3.6M BED TILLER
WITH 4 BODY SUPER BED MAKER



3.6M BED TILLER
WITH 4 BODY SUPER BED MAKER

PARTS

DEALERS

TESTIMONIALS

GALLERY

GALLERY 7

BED TILLERS



**3.6M FOLDING BED TILLER
WITH PACKER ROLLERS**



**3.6M FOLDING BED TILLER
WITH CAGE ROLLERS**

GALLERY 8

BED TILLERS



**3.6M FOLDING BED TILLER
WITH VEG HOODS**



**3.6M FOLDING BED TILLER
WITH VEG HOODS**

PARTS

DEALERS

TESTIMONIALS

GALLERY

GALLERY 9

BED TILLERS



5.4M TRIPLE BED TILLER
WITH TWO 2 BODY BED MAKERS



5.4M STRADDLE BED TILLER
WITH TWO 2 BODY BED MAKERS

GALLERY 10

BED TILLERS



5.4M TRIPLE BED TILLER
QUICK CHANGE BLADES



5.4M TRIPLE BED TILLER
WITH TWO 2 BODY BED MAKERS

PARTS

DEALERS

TESTIMONIALS

GALLERY

GALLERY 11

BED TILLERS



5.4M TRIPLE BED TILLER
WORKING ON CULTIVATED SURFACE



5.4M TRIPLE BED TILLER
WORKING ON CULTIVATED SURFACE

GALLERY 12

BED TILLERS



5.4M TRIPLE BED TILLER
CHATEAU-STYLE



5.4M TRIPLE BED TILLER
CHATEAU-STYLE

PARTS

DEALERS

TESTIMONIALS

GALLERY

GALLERY 13

BED TILLERS



**5.4M BED TILLER
WITH COVERING HOODS**



**5.4M BED TILLER
WITH COVERING HOODS**

GALLERY 14

BED TILLERS



5.4M BED TILLER
WITH COVERING HOODS



5.4M BED TILLER
WITH COVERING HOODS

PARTS

DEALERS

TESTIMONIALS

GALLERY

GALLERY 15

BED TILLERS



**5.4M BED TILLER
WITH MINI PLOUGHS**



**6M BED TILLER
NO ATTACHMENTS**

GALLERY 16

BED TILLERS



5.4M BED TILLER
WITH ALBERTA-STYLE HOODS



5.4M BED TILLER
WITH ALBERTA-STYLE HOODS

PARTS

DEALERS

TESTIMONIALS

GALLERY