



SEPARATORS

- 3 Webber
- 4 Webber
- 5 Webber
- 6 Webber
- 6 Star



LIFT
THE **STONES**
PREPARE
THE **SOIL**

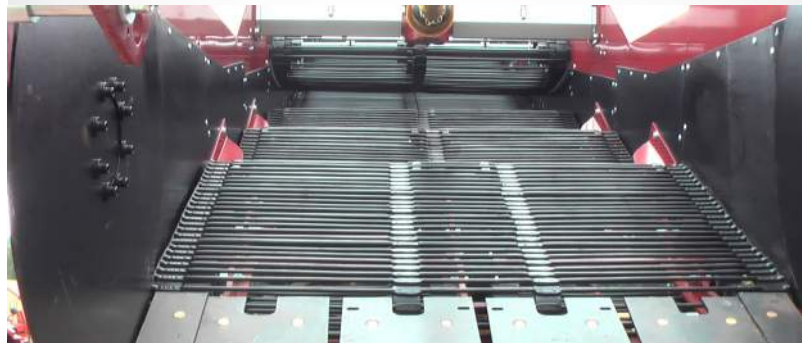
Soil separation is an essential part of root vegetable growing. Higher yields are obtained, as well as an improved product quality, which altogether means more profitable harvesting.

The ScanStone multi-web system is unique on the market as it is available with 3, 4, 5 or 6 web configurations (both 1540mm or 1740mm wide).



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OPEN FRONT SYSTEM

We aim to produce machines to suit the needs of each of our customers; That's why at the Royal Highland Show in Scotland, ScanStone were awarded two Silver Medals for Technical Innovation.

“With the ScanStone Open Front, I can go uphill or downhill, in any soil conditions, uninterrupted.”

HYDRAULIC LEVELLING

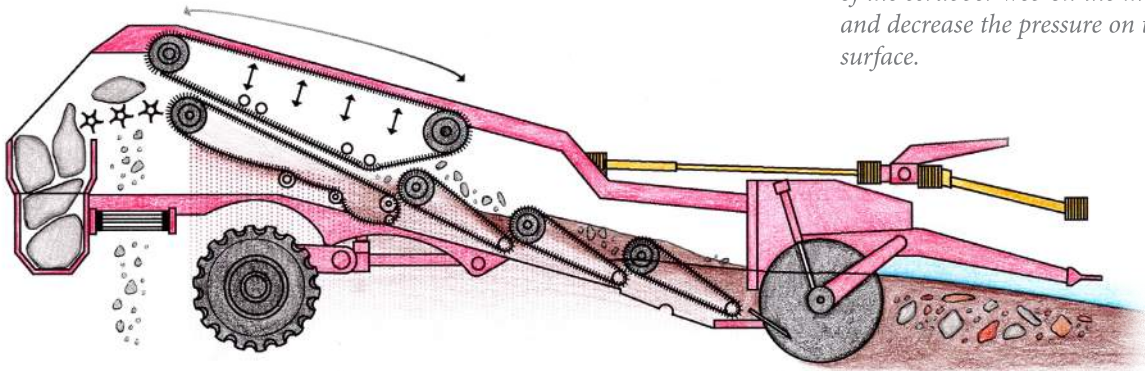
Auto levelling is essential to keep the soil evenly spread over the machine when separating on undulating ground, in order to maintain an even bed formation.



POWER SCRUBBER WEB

The dual direction hydraulically pressurised scrubber web is designed to cope with all possible stone and soil conditions.

It gives the operator the ability to change the direction of the scrubber web on the move, as well as increase and decrease the pressure on the active scrubber web surface.

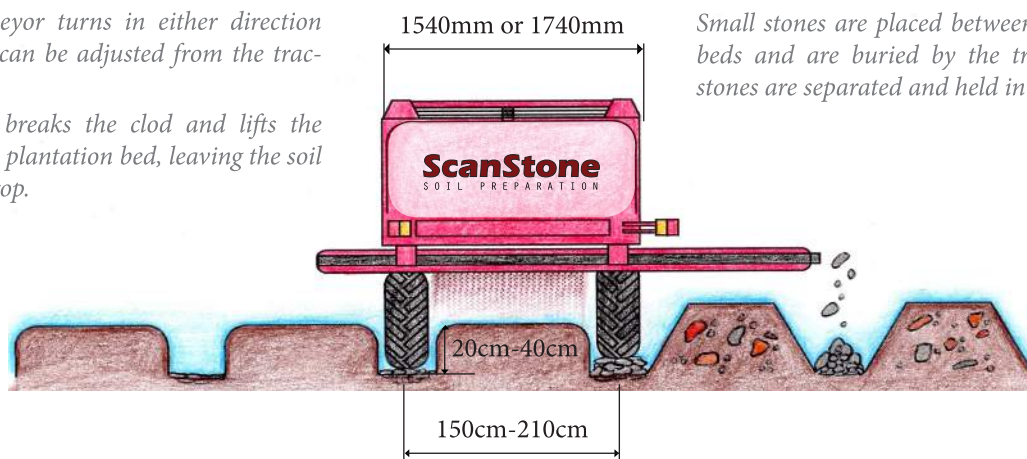


CROSS-CONVEYOR

The cross-conveyor turns in either direction and its speed can be adjusted from the tractor seat.

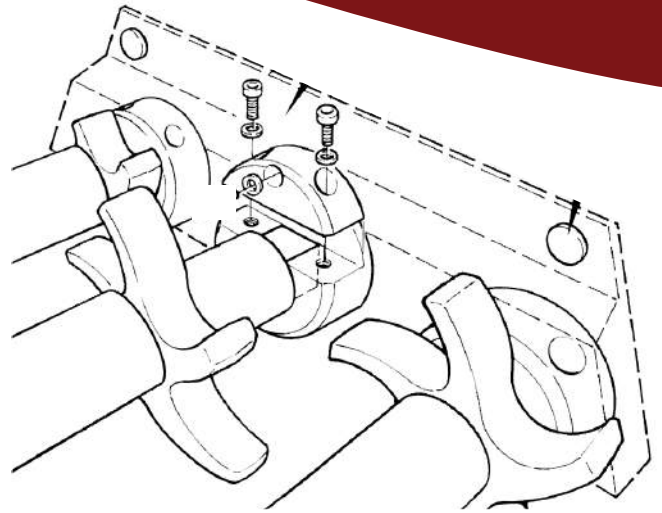
The separator breaks the clod and lifts the stones from the plantation bed, leaving the soil ready for the crop.

Small stones are placed between the two plantation beds and are buried by the tractor wheel. Larger stones are separated and held in the stone box.



STONE BOX

Large stone separation units are offered with a rake or polyurethane star configuration, into a large capacity stone collection box.



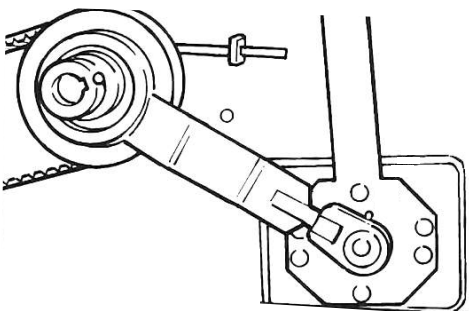
STAR-TYPE

The rear star unit consists of 3 driven star shafts designed to convey large stones into the stone collection hopper. Spacers positioned between each star allow small or medium stones to fall through onto the cross conveyor for removal into the row bottoms. Each star shaft can be easily removed to allow worn stars or spacers to be replaced if necessary. A safety clutch system is fitted to prevent breakages.



RAKE-TYPE

The stone rake offers an alternative to rear star separation and consists of a row of tines designed to assist large stones into the stone collection hopper. Smaller stones are allowed to drop through onto the cross conveyor.



HEADLAND MANAGEMENT

A full headland management is fitted to all machines with open front, allowing easy entry and exit to and from the headland. From the tractor seat, the operator can adjust the time between lifting and lowering the share and the discs, maximising the separation area.



SIZE OF WHEELS

Diameter	Width
20"	125-80
20"	340-80
24"	340-80

DEPTH SENSING

For customers who wish to depth sense from the top of the preformed bed, we have a spring loaded sensing wheel available as an option. This is adjustable from the tractor cab control box.

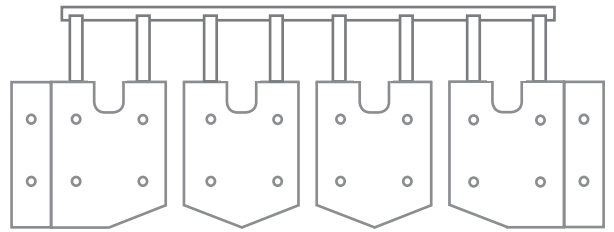


SHOCK DRAWBAR

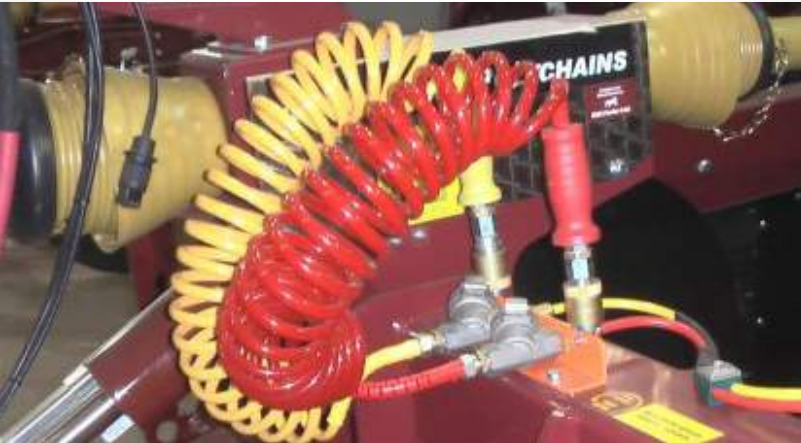
The ever increasing speed of our open front separator has lead us to develop an optional shock drawbar system. This system uses a floatation cylinder to absorb the shock through the drawbar of the machine should it hit an immovable object at speed. This helps to protect the digger share.

MULTI - BLADE SHARE

All our seperators come with a choice of full share or multi-blade share depending on the soil conditions and the customer's requirements.



AIR / HYDRAULIC BRAKES



CANBUS CONTROL

Our Canbus control system features the following:

- automatic self centering steering
- automatic self levelling
- depth control
- headland management
- variable pressure of power scrubber
- reverse power scrubber
- variable cross conveyor speed
- rear lift control



BELT DRIVE SYSTEM

Carbon fibre tooth belt drive is standard on all machines, giving a positive and reliable means of power transmission. We use the strongest man-made material available for our belts.



MANOEUVRABILITY ON HEADLANDS

34 DEGREE STEERING ANGLE

For increased agility on short headlands, we have developed our axle to be 34 degrees. As our de-stoner is longer and delivers more separation, the increased steering angle is beneficial for farmers who are restricted on headlands.

2 POSITION REAR LIFT RAMS

Versatility is increased on the ScanStone de-stoner with the longer lift ram option and the dual position lift ram, allowing increased separation in the times of tougher conditions and a lower back end for going downhill or in easier conditions, allowing a greater forward speed.



“

RUNNING COSTS SECOND TO NONE

‘Separating 500 acres a season with the ScanStone 5 webber resulted in incredibly low repair costs; After 2 seasons and 1000 acres with the machine, the only repairs were a couple of joining rods, the odd joining kit and one digger web. Downtime was kept to a minimum as well which delivered maximum output during the busy spring season.’

RJ Beaver (Contractor), Woodall Spar, Lincolnshire

”



Alan Bartlett & Sons purchased two new ScanStone 5 webber machines in 2013; together they have covered 600 acres in a season.

Field manager Neil Cotsworth remarked:

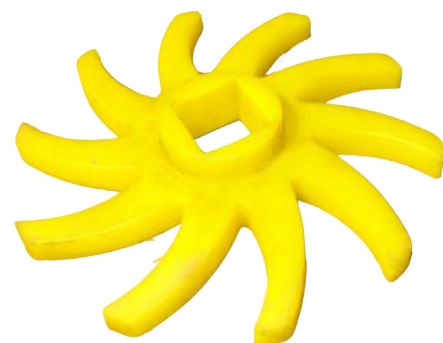
‘We opted for the ScanStone 5 webber because we had to be sure to extract all the small stones prior to sewing Chantenay carrots. Also we found the web machines far easier for operators to drive and maintain than star machines. I found the running costs were second to none.’

Neil Cotsworth, Alan Bartlett & Sons

”

6 STAR SEPARATOR

The challenging and ever varying ground in which farmers wish to plant potatoes has a market share of star machines to the ScanStone range. Traditionally being mainly web machines to thoroughly de-stone a piece of ground well, we have found that in more varying and tougher soil conditions, the star machine allows more output, thus a greater forward speed for the operator in wet or extremely cloddy conditions.



DURABILITY
AFFORDABILITY

Our star machine comprises of an initial front web to take the worst part of the wear of the machine, then the soil is presented to 6 rows of cleaning stars, and then through a rear web and dual direction





“ EXEMPLARY SERVICE ”

Service is the most important thing when buying a separator.

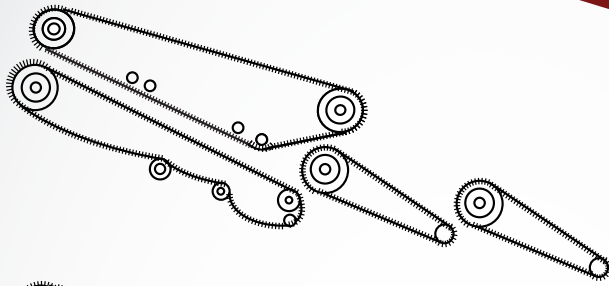
Robert Doig, of Old Fargie Farm, Perthshire, said:

'ScanStone delivered an exemplary service throught the season'

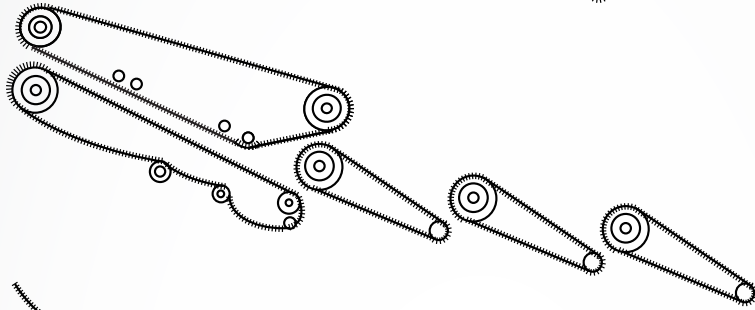


ScanStone
SOIL PREPARATION

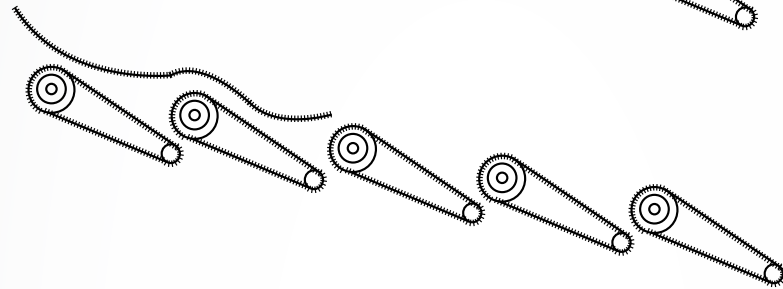
3 WEBBER



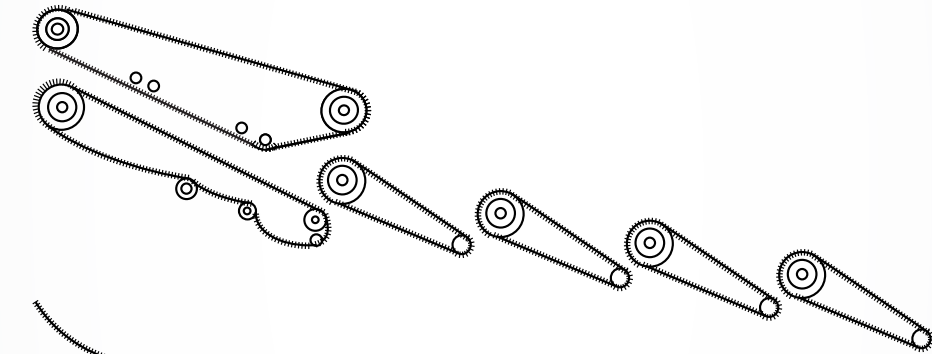
4 WEBBER



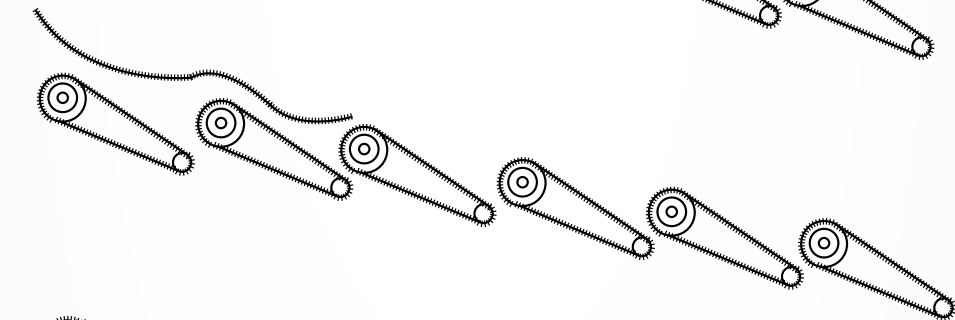
5 WEBBER
SHORT



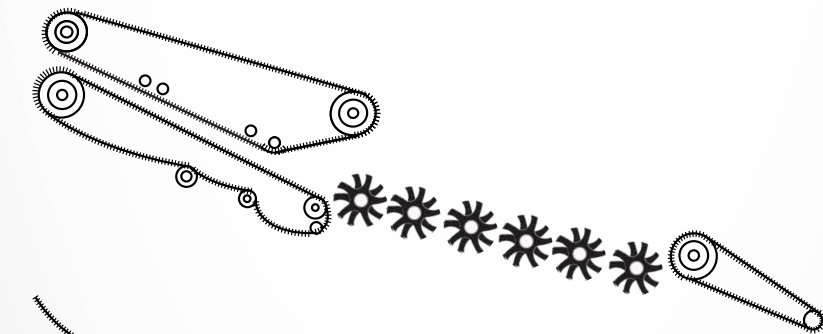
5 WEBBER
LONG



6 WEBBER
SHORT



STAR +1



STAR +2



- STANDARD
- OPTION
- NOT AVAILABLE

		3 WEBBER	4 WEBBER	5 WEBBER SHORT	5 WEBBER LONG	6 WEBBER	STAR + 1	STAR + 2
SPECIFICATIONS	No. OF WEBS	3	4	5	5	6	2	3
	WEB WIDTH	1540 MM / 1740 MM						
	TRANSPORT WIDTH	2570 MM / 2770 MM						
	LENGTH (MM)	7214	8185	8185	9135	9135	8185	
	LENGTH WITH STONE BOX (MM)	7862	8863	8863	9774	9774	8863	
	NECESSARY POWER	100 HP - 180 HP / 75 - 150 KW						
	WEIGHT	4300 KG / 5900 KG						
	WEIGHT OF ELEVATOR	900 KG						
	STONE BOX CAPACITY (TONNES)	0.4	0.6					
	HYDRAULIC OIL FROM TRACTOR	MINIMUM 30 L/MINUTE			MAXIMUM 40 L/MINUTE			
	HYDRAULIC PROTECTION	INTEGRATED FILTER WITH BLOCKAGE WARNINGS						
	ELECTRIC SUPPLY	12V DC NEGATIVE EARTH						
	ROAD SPEED	30 KMPH / 19 MPH						
	DEPTH OF BED	1500 MM - 2000 MM						
EQUIPMENT	MULTI-BLADE SHARE / FULL	•						
	SHARE DEPTH CONTROL	•						
	HYDRAULIC DRAWBAR	◦						
	OPEN FRONT	•						
	CANBUS CONTROL SYSTEM	•						
	REAR HYDRAULIC LIFT	•						
	HYDRAULIC LEVELLING	•						
	CENTRAL STEERING	•						
	ADJUSTABLE CROSS-CONVEYOR	•						
	ELEVATOR	◦						
	SCRUBBER WEB	◦	◦	-	◦	-	◦	-
	STONE BOX (STAR / RAKE)	◦						
	20" WHEELS	•						
	24" WHEELS	◦						
	EASY GREASING	◦						
	AUTO-GREASE APPLICATORS	◦						
ROAD LIGHTS	•							
WEBS	MACHINE TYPE	WEB POSITION	19MM	28MM	32MM	37MM	43MM	50MM
	MULTI-WEB	DIGGER (1ST)		•	•	•	•	•
		2ND, 3RD, 4TH		•	•	•	•	•
		CROSS-CONVEYOR	•	•				
	STAR	DIGGER (1ST)			•	•		
		REAR		•	•	•	•	•
		CROSS-CONVEYOR	•	•				
WEB CLEANERS					◦	◦	◦	



ELEVATOR: STONE HARVESTING

Elevators are available on all machines when complete stone removal is necessary. This method is not always used during separation time, but when the field is not being planted in.

Not only does this process help the condition of the field, but these stones can be used for other things (ie the construction of farm/access roads.)

For road transport, the elevator folds on top of the machine and when in this position, the machine's height is a maximum of 3 metres.



WHAT THE FARMERS SAY...

“ I removed 3500 tonnes of stones from a 10 hectare field using the ScanStone stone separator with elevator. The stones were used for a foundation of our new grain drying plant and at the same time, the process has improved the productivity of our field, saving many thousands of pounds. ”

Duncan Henderson,
Newton of Boysack, by Arbroath





WHAT THE FARMERS SAY...

“

It's great when you buy one machine that genuinely does two jobs. We bought the ScanStone stone and clod separator initially to do the job of separating for our potatoes and flower bulbs. We then realised it was probably the best machine that we've ever used for flower bulb windrowing. There was no snagging, we got maximum separation. It just worked brilliantly.

”

*Peter Salmon
Mains of Logie, by Montrose*

See it working in the field...



ANOTHER USE: BULB WINDROWING

Farmers who grow flower bulbs can use their separator to windrow their bulbs before harvesting. The separator is used to pick up the bulbs, then lay them to the side of the row to dry them out. Thanks to the clean cut intake of the disks, there is no dragging; the machine slices into the ground with ease.

During this process, the PTO speed is reduced to a minimum to allow gentle handling of the flower bulbs going up the webs, maximising soil extraction and minimising damage to the flower bulbs.

When growing flower bulbs, it is very important to leave them for 2-3 days after taking them out of the ground. This allows them to absorb sunlight and dry themselves out before they are collected.



ScanStone
SOIL PREPARATION

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We are always happy to explain our products in more detail, so if you are interested to find out more about the range of ScanStone products, please do not hesitate to get in touch using the contact details below. We look forward to hearing from you.



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DEALER STAMP

ScanStone reserves the right to change the concept and the specifications or to make adaptations to the machine, without obligations for the bought material or after the changes mentioned.