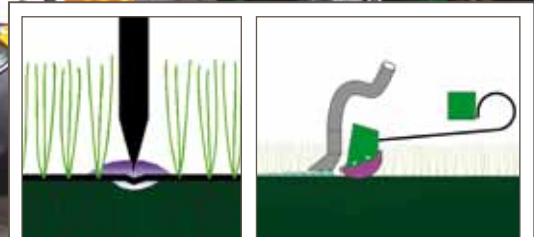
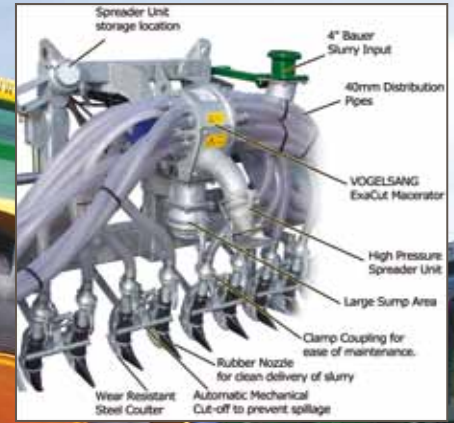
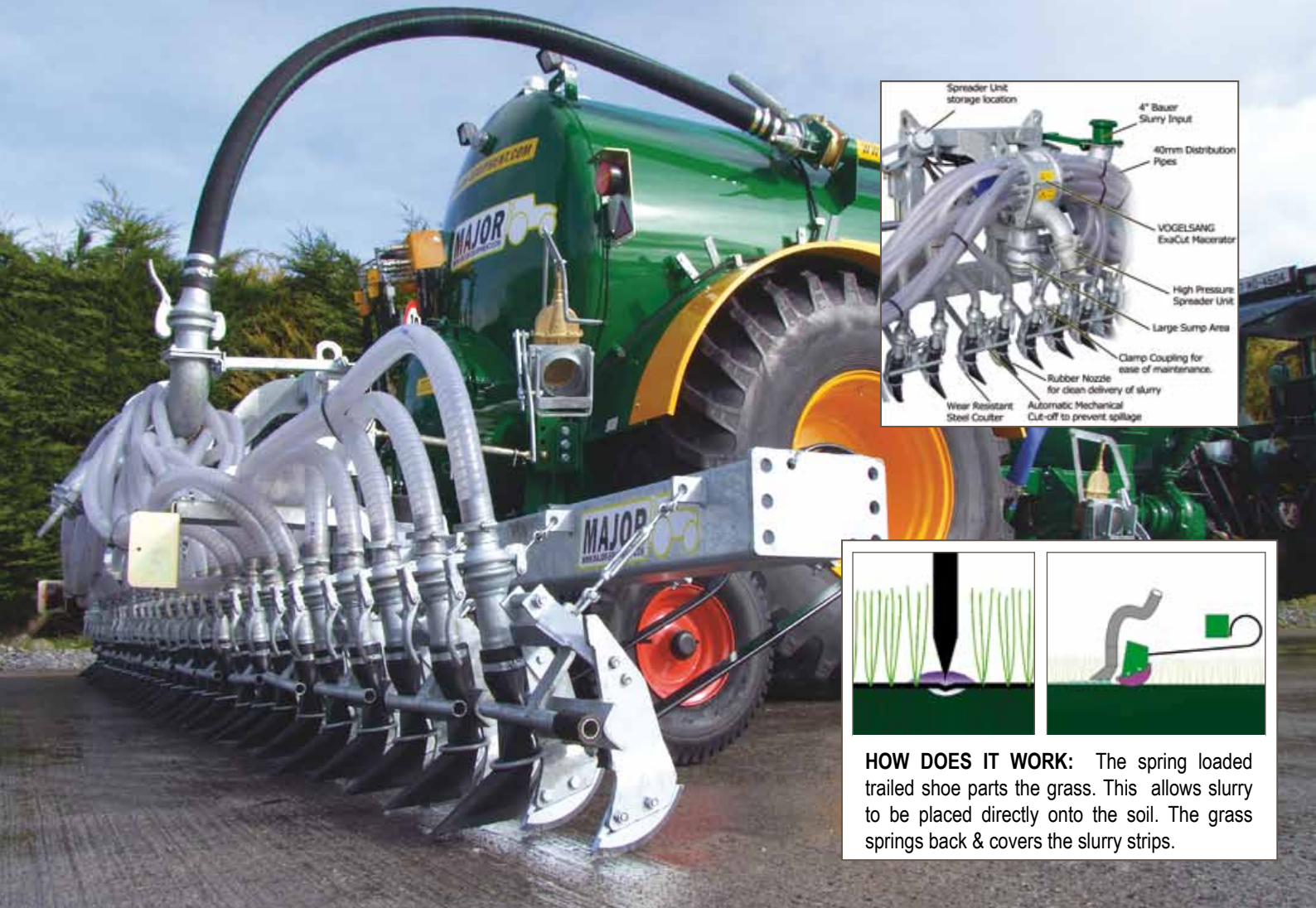




Slurry Application Systems





HOW DOES IT WORK: The spring loaded trailed shoe parts the grass. This allows slurry to be placed directly onto the soil. The grass springs back & covers the slurry strips.

TRAILING SHOE SLURRY APPLICATOR

The MAJOR MJTS6430 Slurry Applicator covers an area of 6.4m with 30 outlets. Slurry enters the Vogelsang macerator through the 4" bauer coupling and is then distributed through the 40mm outlets.

A large capacity sump is located under the macerator to collect debris. It can be cleaned out easily and without the use of tools. The 40mm distribution pipes are finished off with couplings to allow simple maintenance of the rubber nozzles. MAJOR rubber nozzles are manufactured from Nitrile PVC with a 70 Shore A Hardness, to counteract the damage caused by UV light. This helps prevent cracking.

The heavy duty springs allow the high carbon steel coulters to split the grass. This lets the slurry run onto the ground. Pneumatic wheels are fitted as standard, letting the frame follow the ground contours.

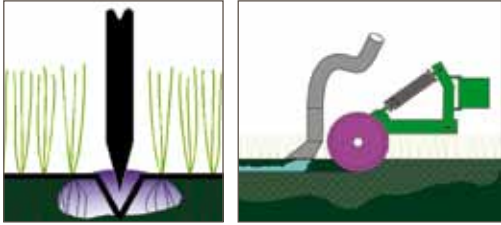
The Vogelsang ExaCut Macerator is fitted with an integrated foreign body separator to prevent debris from blocking the outlets. It also contains self-sharpening and self-adjusting blades to reduce maintenance time.

FEATURES:

- Fully galvanised body
- Mechanical suspension
- Integrated spreader unit
- Automatic mechanical shut-off
- High carbon steel coulters
- Vogelsang ExaCut macerator
- Full road lighting kit

"This is a fantastic machine. It is well built, with lots of 'meat' compared to other trailing shoes on the market. The quick release clamps makes life a lot easier"
David Sykes, Agricultural Contractor

Model	Working Width	Transport Width	Weight	Spreader Outlet	Hydraulic Requirement
MJTS6430	6.4m	2.7m	1100Kg	40mm	50 - 70 litre/min @ 230 bar max



HOW DOES IT WORK: The spring loaded discs create slits which are 20-60mm deep. These are then fully filled with slurry.



SHALLOW DISC SLURRY INJECTOR

The MAJOR Disc Injector is a combined soil fertilising and furrowing machine with a working depth of 20mm ($\frac{3}{4}$ ") to 60mm ($2\frac{1}{2}$ ").

A powerful Vogelsang macerator delivers slurry evenly through 40mm pipes. The slurry is inserted into slits created by the self-sharpening steel cutting discs.

The unit folds hydraulically giving a 2.4m transport width. The MAJOR Disc Injector operates best where grass heights are between 60 and 100mm ($2\frac{1}{4}$ " and 4").

When working, the spring loaded discs create slits 20 to 60mm deep which are completely filled with slurry. The slurry is only visible as narrow strips between the grass. The distance between the slits is 200mm (8").

FEATURES:

- 300mm self-sharpening solid cutting discs spaced at 200mm (8") intervals
- Automatic mechanical shoe shut off to prevent spillage
- Mechanical suspension on individual discs
- Individual disc steerage
- Depth regulated by hydraulic linkage



Model	Working Width	Transport Width	Weight	Spreader Outlet	Hydraulic Requirement	Spread Capacity	Working Depth
MAJOR 5.2m	5.2m	2.4m	1380Kg	40mm	50 - 70 litre/min @ 230 bar max	10 - 30 m ³ / ha	20 - 60 mm

Benefits of Slurry Injection

Conserved nutrients	Animal slurries and farmyard manure are valuable fertilisers as they contain significant amounts of nitrogen (N), phosphorus (P) and potassium (K).
Reduced fertiliser inputs	Save on costs of granular fertiliser. Research by the UK Biotechnology and Biological Sciences Research Council showed that the over-winter slurry production from 100 cows is worth over £2,000 as fertiliser. Simliar research by Teagasc (Ireland) concluded that slurry in Ireland has a potential value of €9.17 /m3.
Reduced odour and associated public nuisance	Odour is reduced by up to 91%. Slurry run-off is prevented. Ammonia emissions are reduced by up to 80% when compared with conventional spreading with a vacuum tanker and splash plate.
Reduced contamination of the grass	Slurry is applied directly onto the soil (Trailing Shoe) or into the soil (Disc Injection). This prevents damage to the grass. Slurry can be used on pasture before grazing and at later dates before cutting.
Increased flexibility in rate and timing of slurry application	Slurry can be applied by shallow injection or trailing shoe, just two weeks before harvesting.
Increased yield	The increased yields obtained with trailing-shoe methods are equivalent to applying inorganic fertilizer (N) at, on average, 79 kg/ha compared with 18 kg/ha when slurry is applied with the splash plate.
Better uniformity of application	Slurry injection allows precise application.

“Joint IGER-ADAS research has shown that slurry can be spread at later dates, i.e., closer to cutting without affecting silage quality. Good quality grass silage was made even under extreme conditions, when slurry was applied, by shallow injection or trailing shoe, just two weeks before harvesting.

As expected, silage made after surface broadcasting (splash plate) at the same time was badly contaminated with slurry and fermentation was poor.” *Extract from research by David Chadwick and John Laws at the Institute of Biological, Environmental and Rural Sciences (IBERS)*

About Us

Major Equipment Intl Ltd is a manufacturer and international exporter of one of the most comprehensive ranges of agricultural, amenity and site equipment. Our products are manufactured and distributed under the brand name MAJOR.

In addition to a manufacturing facility and head office in Ireland, we have branches in the UK and the Netherlands to service our extensive customer base.

Our portfolio of products includes grass toppers, flail mowers, slurry tankers and slurry injection systems. We also design and manufacture a range of dust suppression and industrial tankers.

Our company policy is one of continuous product development to ensure efficiency and quality. We have a specialist research and development team that use the latest design software and production technologies available.

As leaders in slurry tanker manufacturing, we are committed to providing you with a high quality product delivered to the desired destination, within the stipulated time period. We also provide a full after sales service and technical assistance.

For more information about any of our products, please feel free to give us a call, or visit our website www.major-equipment.com.

HEAD OFFICE

Major Equipment Intl Ltd
Ballyhaunis, Co. Mayo
Ireland
Tel: + 353 (0) 9496 30572

UK OFFICE

Major Equipment Ltd
Major Ind. Est., Middelton Rd,
Heysham, Lancs, LA3 3JJ, UK
Tel: + 44 (0) 1524 850501

EUROPEAN OFFICE

Major Equipment Intl Ltd
Postbus 29, NL-7700 AA
Dedemsvaart, Nederland
Tel: + 31 (0) 6389 19585