



Agricultural Mowers & **SLURRY HANDLING EQUIPMENT**



www.major-equipment.com

DESIGNERS AND
MANUFACTURERS OF
AGRICULTURAL MACHINERY,
**PROFESSIONAL MOWERS
AND CONSTRUCTION
EQUIPMENT FOR OVER 40
YEARS**

40
YEARS

THE MAJOR DIFFERENCE:

Continuously innovating and engineering reliable and easy to operate tractor-powered equipment with the strength and stamina for agricultural, grounds maintenance and industrial settings. Our designs combine the best features in modern machinery for efficiency and productivity in every field.



The MAJOR Difference

MAJOR is a global brand renowned for strength, stamina and value.

About Us

Major Equipment Intl. Ltd is an award-winning manufacturer of innovatively designed agricultural machinery, professional mowers and construction equipment.

Since its establishment in 1976, Major Equipment Intl is focused on producing equipment designed to meet specific challenges arising from different agricultural and commercial environments.

MAJOR machines are tough, simple and reliable. This is why owners and operators around the world – from pastures to crop farms, orchards and vineyards to local authorities, sports fields and private estates – trust in MAJOR to get the job done.

The MAJOR Team

Every MAJOR product stands for the quality, resilience and pride that reflects its agricultural roots. The family-owned and operated business is based in Ballyhaunis, County Mayo in Ireland, a country renowned for engineering excellence around the world.

Our design engineers and company representatives have hands-on experience with agricultural and professional groundcare equipment and a steadfast commitment to the highest standards of excellence in everything we design.

This unparalleled combination means our team is attentive to your individual needs and will gain a thorough understanding of your working environment before providing the most suitable solution.



Social Media

We use various channels to keep you informed with news, videos, photographs and new product information. To find out more visit:



Your local dealer

To ensure that you get the very best advice and support, we take great care in selecting our dealers. Visit our website www.major-equipment.com and click on the 'Dealer' tab. Select your country and industry for the most suitable dealers to be displayed.



Spare Parts

Only genuine MAJOR spare parts should be used to guarantee optimum performance from your MAJOR machine. To reduce costly machine downtimes, we endeavour to dispatch spare parts orders to our dealer network by next day courier service.



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Cyclone Shredder

Heavy duty mulcher and shredder

Durability, reliability and efficiency are the key elements of the award-winning MAJOR Cyclone Shredder. From traditional pasture topping to clearing crop stubble, these machines are equally at home in set-aside, forestry margin management, and sensitive environmental scrubland control.

These rotary mowers are designed for the most rugged working environments with reduced power consumption, outperforming equivalent-sized flail mowers in every way.

Its patented ‘blender’ double-chop blade system requires 25% less HP than a flail mower, slashing at least 25% off upfront fuel costs. The Cyclone Mower is the mower of choice for the toughest jobs.

High-performance Strenx™ 700 MC structural steel makes these mowers strong, while Hardox® 450 abrasion-resistant steel for the undersole discs ensures a long wear life. Combined with hot-dip galvanisation to EN ISO 1461:2009 specifications, the Cyclone is guaranteed impact tough.



Features

- ✓ Save a minimum of 25% on power consumption and fuel costs versus a similar sized flail mower
- ✓ Unique blade system for maximum mulching and shredding
- ✓ Low maintenance machine with less wearing parts than a flail mower
- ✓ Impressive forward speeds
- ✓ No wind rowing
- ✓ Heavy duty full-length rear roller
- ✓ Can be front or rear mounted (to be specified with your rep when ordering)
- ✓ The undersole discs produced from Hardox® 450.
- ✓ Even distribution of cut material
- ✓ Multi-purpose mower; ideal for heavy scrub and stubble management

The Major Cyclone is very competitively priced, uses much less fuel and leaves an excellent finish and handles virtually everything we throw at it. Even the heavy, tufted marsh grass is no challenge. It just takes it all in its stride."

JAMIE BURROWS
DT & CI BURROWS, HERTS



Model	MJ31-200	MJ31-250	MJ31-280	MJ30-350	MJ30-420	MJ30-420DW	MJ30-560	MJ30-630	MJ30-720
Overall width	2.10m (7')	2.65m (8' 9")	3.00m (10')	3.65m (12')	4.43m (14' 6")	4.43m (14' 6")	5.81m (19')	6.52m (21' 5")	7.40m (24' 3")
Working width	2.00m (6' 5")	2.50m (8' 1")	2.80m (9' 2")	3.50m (11' 5")	4.20m (13' 9")	4.20m (13' 9")	5.60m (18' 4")	6.30m (20' 8")	7.20m (23' 8")
Transport width	2.10m (7')	2.65m (8' 9")	3.00m (10')	2.50m (8' 2")	2.50m (8' 2")	2.02m (6' 7")	2.03m (6' 7")	2.80m (9' 2")	2.10m (6' 10")
Power (HP)	50-100	70-120	80-120	90-140	100-150	100-150	110-150	140-190	150-210
PTO rpm	540/1000	1000	1000	1000	1000	1000	1000	1000	1000
Cutting Height (mm)	40-200	40-200	40-200	50-170	50-170	50-170mm	50-170	50-170	50-170
Rotors	3	4	4	5	6	6	8	9	10
Blades	12	16	16	20	24	24	32	36	40
Weight	600kg	785kg	945kg	1120kg	1265kg	1360kg	1680kg	1875kg	2235kg
Blade speed	75m/s	75m/s	58m/s	58m/s	58m/s	58 m/s	58m/s	58m/s	58m/s



Side Mounted Topper

Three Point Linkage

The MAJOR Side Mounted Topper is a fully offset three point linkage pasture topper with two models offering 8' (2.4m) and 9' (2.7m) cutting widths.

Features include hydraulic offset with an integrated hydraulic breakaway to protect the tractor from impact damage.

The floating top link allows the cutting deck to follow the ground contours. The damper bar removes any lateral vibration. A shearbolt PTO shaft is supplied as standard for best power transfer. There is the option available of an overrun and slip clutch PTO.

Model	800SM-HD	900SM-HD
Overall width	4.4m (14' 4")	4.5m (14' 7")
Working width	2.4m (8')	2.7m (9')
Transport width	2.22m (7' 3")	2.22m (7' 3")
Power HP	45-120	55-120
PTO rpm	540	540
Cutting height	50-250 mm	50-250 mm
Rotors	2	2
Blades	8	8
Blade tip speed	100m/s	111m/s
Weight	550 kg	640 kg

Features

- ✓ Fully galvanised body
- ✓ Heavy duty transmission
- ✓ Full hydraulic offset control
- ✓ Hydraulic breakaway system
- ✓ High lift twin-cut ProCut swinging blades
- ✓ Rubber shock absorbers between rotor gearboxes
- ✓ No wheel markings



Side Mounted Topper

Three Point Linkage

The MAJOR MJ40 Side Mounted Topper folds vertically behind the tractor for safe transportation on roadways.

The carrying arm improves weight distribution, ensuring safer transport while increasing maneuverability for access and mowing.

It features a swinging blade system and undersole discs produced from Hardox®450 abrasion resistant steel. The blades deliver an even spread of cut even in heavier conditions. The undersole discs allow the blades to flip out of the way of obstacles and protects them from damage.

A fully galvanised body ensures the longevity of the machine.

Features

- ✓ Fully galvanised body
- ✓ Hydraulic breakaway system
- ✓ High lift twin-cut ProCut swinging blades
- ✓ Rubber shock absorbers between rotor gearboxes;
- ✓ No wheel markings



Model	MJ40-240	MJ40-270
Working width	2.4m (8')	2.70m (9')
Transport width	1.84m (6')	1.84m (6')
Power (HP)	45-120	55-120 hp
PTO rpm	540	540
Cutting height	20-150mm	20-150mm
Rotors	2	3
Blades	4	6
Weight	550 kg	850 kg
Blade speed	76m/s	76 m/s



Offset Topper

Trailed

The MAJOR Trailed Topper is a fully offset gear driven machine. It is offset while working and folded hydraulically into the transport position from the tractor seat. As the machine is fully offset, there is no trampling of the pasture prior to cutting. The MAJOR Trailed Topper is fully gearbox driven. The rotors are timed with each other and the blades overlap to ensure all material is cut and spread evenly behind the machine.

The cutting height is adjusted hydraulically. The drawbar features a soft ride shock absorber that allows maximum lock when turning and assists with faster coupling up to the machine. There is a limit stop on the ram which controls the rear axle.

Model	MJ45-240	MJ45-270	MJ45-360
Overall Width	3.73m (12'1")	4.14m (13'5")	4.62m (15')
Working Width	2.4m (8')	2.7m (9')	3.6m (12')
Transport Width	2.6m (8' 6")	2.9m (9' 6")	2.6m (8' 6")
Power (HP)	40-80	40-90	45-100
PTO rpm	540	540	540
Cutting Height	20-160mm	20-160mm	20-160mm
Rotors	2	2	3
No. of Blades	8	8	12
Weight	940kg	970kg	1395 kg
Blade tip speed	70 m/s	78 m/s	70 m/s
Mowing Rates (Acres/hr at 7mph)	5.5	6.2	8.3



Features

- ✓ Wide angle PTO shaft with shear bolt protection
- ✓ Counter rotating heavy duty blades
- ✓ Fully galvanised body
- ✓ Heavy duty tyres
- ✓ Fully guarded to prevent flying debris
- ✓ Rubber couplings between gearboxes absorb shocks and to protect the driveline



Centre Mounted Topper

Three Point Linkage

The MAJOR Centre Mounted Topper is a fully gear driven machine fitted with high speed rotors and twin cut swinging blades. The 909HD Topper is a heavier duty version of the 9FTGDX-HD topper and features extra heavy duty gearboxes. A shearbolt PTO shaft is supplied as standard for best power transfer. There is the option available of an overrun and slip clutch PTO.

Features

- ✓ Fully galvanised finish
- ✓ Rubber shock absorbers between rotor gearboxes
- ✓ Low maintenance - no belts or pulleys
- ✓ Twin cut swinging blade system
- ✓ Heavy duty transmission

Model	9FTGDX-HD-FM	9FTGDX-HD	909 HD
Overall width	2.91m (9' 5")	2.91m (9' 5")	2.91m (9' 5")
Working width	2.7m (9')	2.7m (9')	2.7m (9')
Power	40-120 HP	40-120 HP	50-120 HP
PTO rpm	1000	540	1000
Cutting height	50-250mm	50-250mm	50-250mm
Rotors	2	2	2
Blades	8	8	8
Weight	490kg	490kg (570kg with wheels)	560kg (640kg with wheels)
Blade speed	111m/s	111m/s	111m/s



Flex Wing Topper

Three Point Linkage

The MAJOR Flex Wing Topper is a three point linkage mounted machine which folds up to 2.3m (7' 6") transport width.

Like all MAJOR machines, the Flex Wing Topper is of robust construction. CE conformity is achieved through full PTO guarding and heavy rubber skirting to prevent debris from escaping.

The wing cutting decks are raised by hydraulic control to transport position.

Model	MJ38-540
Overall width	5.60m (18' 4")
Working width	5.40m (18')
Transport width	2.3m (7' 6")
Power	80-120 HP
PTO rpm	1000
Cutting height	50-250 mm
Rotors	6
Blades	12
Weight	1395 kg
Blade speed	74m/s

The wings are capable of flexing from -15 to +25 degrees allowing the cutting unit to follow the ground contours.

Contra-rotating swinging blades are retained in hardened steel bushings and clamped by sprung steel blade backs.

Under-sole discs are fitted to prevent scalping and ensure a perfect finish every time.

Features

- ✓ Galvanised finish
- ✓ Robust pivot points
- ✓ Rubber shock absorbers
- ✓ Shearbolt PTO protection
- ✓ Hydraulic wing lift
- ✓ ProCut swinging blades
- ✓ 88mm (3 1/2") blade overlap to eliminate striping



Verge Mower

Hydraulic

The Major Verge Mower is designed for intensive cutting requiring agility and durability.

The hydraulic headstock offers 140 degrees of movement for cutting verges, ditches, embankments, as well as shrubs, hedges and trees.

The 1.56m offset mode suits mowing around fences, buildings and under trees. The rotary

blade system delivers precision cutting and dispersion of material, while offering maximum protection against breakage and driveline damage.

Heavy duty gearbox with shock absorbers safeguard the machine in the event of a collision.

Full length roller follows ground contours to give a perfect finish.

Model	MJ36-140	MJ36-210
Overall width	1.60m (5'3")	1.60m (5'3")
Working width	1.43m (4' 8.5")	2.11m (6' 11")
Power	70-120 HP	90-150 HP
PTO rpm	540	540
Cutting height	15-100mm	15-100mm
Rotors	2	3
Blades	8	12
Weight	690kg	810kg
Sliding Offset	1.56m	1.56m
Hedge cutting	0÷95°	0÷95°
Road side mowing	0÷35°	0÷35°
Tractor Class	II	II
Flow Rates	80 litre/min	100 litre/min

Features

- ✓ Unique blade system for extreme cutting
- ✓ Adjustable hydraulic arm from 95° to -35°
- ✓ Internal double roller bearing housing to protect the bearings while cutting.
- ✓ Heavy duty gearboxes with inter gearbox shock loading protection
- ✓ Rubber skirting to protect against flying debris
- ✓ Simple height adjustment from 15-100mm.
- ✓ Available in left or right-hand configurations
- ✓ Produced using high-performance Strenx™ 700 MC steel and galvanised
- ✓ Support wheel supplied as standard



Major Slurry Tankers

Design Process

Each MAJOR tanker is custom manufactured using the highest quality components. Your MAJOR dealer will arrange a site visit to define your requirements. A customised slurry tanker is manufactured, on the basis of standardised components, for your specific operational specifications. MAJOR tankers are designed fully in 3D to ensure the client is completely satisfied before the tanker goes into production.

The Design Process



Discuss your slurry handling requirements with your Major dealer.



Decide on your tanker specifications and pump capacity.



Tanker designed and drawn by the MAJOR tanker design team.



Tanker is manufactured using the using the highest quality components.



For many years farmers have understood and appreciated the value of liquid slurry as a natural fertilizer. Major Equipment has specialised in the correct handling and distribution of slurry since 1976.



Our tanker design team has a wealth of knowledge with thousands of custom designed slurry handling systems in operation for customers in a variety of geographical locations from Ireland to New Zealand.



Regular collaboration with world class component suppliers ensures the continued development of expertise and knowledge within Major Equipment. This guarantees customers can access the latest technologies and best practice within the industry. Talk to your local Major dealer about an efficient slurry handling system for your business





Agri Slurry Tanker

Farmer Specification



These tankers are available in capacities from 1500 to 2000 gallons. There is a detachable parking stand and PTO holder fitted as standard. All MAJOR tankers are constructed from 6mm steel for maximum strength. The axle is a heavy duty agricultural spec axle.



To comply with applicable legislation, the 1700 agri model is fitted with a safety breakaway cable.

The LGP models have hydraulic brakes as standard ensuring compliance with the regulations for this model of tanker.

Rubber buffers are fitted as standard on the drawbar to give a smoother and safer journey. These tankers are galvanised as standard.



		
Tyre	550/60/22.5	21.3 R24
W (mm)	550	540
D (mm)	1170	1400
1700 Std	•	•

		
Tyre	28.1 R26 Nortec	800/65/R32 Nortec 181
W (mm)	740	798
D (mm)	1780	1820
1500 LGP	•	•
1700 LGP	•	•
2000 LGP	•	•



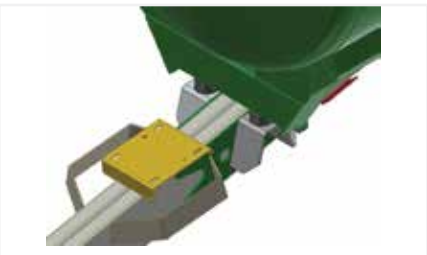
The joints on the tank are welded to ensure a high-quality and visually perfect weld seam.



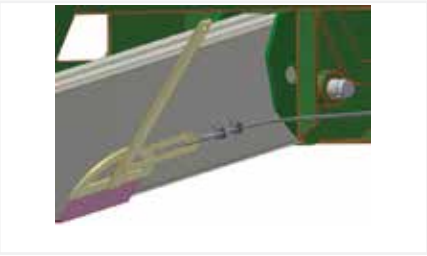
All Major tankers are galvanized inside and out for durability and long life.



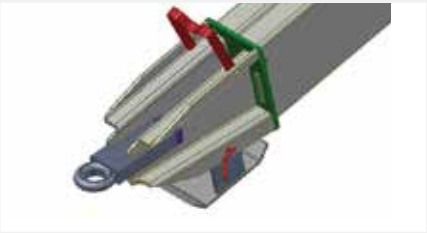
Hydraulic brakes as standard ensuring compliance with the regulations for this model of tanker



Drawbar is fitted with rubber buffers to give a smoother and safer journey



Fitted with safety breakaway cable for safer use on public highways.



Detachable parking stand and PTO holder

Model	Tyre options	Capacity		OALength (Hitch to coupling ball)	OAWidth (Depends on tyre)	OAHeight Hitch @ 450mm	Wheel Recess	Weight (Kg)	
		Gallon	Litres					Empty	Full
1700 Agri	550/60/22.5	1,685	7,660	6.4m	2.6m	2.9m	No	2,550	10,210
	21.3 R24								
1500 LGP Ag	28.1 R26 Nortec	1,485	6,750	6.0m	2.6m	3.0m	YES	2,994	9,744
	800/65/R32 Nortec 181	1,420	6,455	6.0m	2.6m	3.0m	YES	3,150	9,605
1700 LGP Ag	28.1 R26 Nortec	1,610	7,319	6.4m	2.6m	3.0m	YES	3,330	10,649
	800/65/R32 Nortec 181								
2000 LGP Ag	28.1 R26 Nortec	1,920	9,271	6.6m	2.6m	3.2m	YES	3,540	12,811
	800/65/R32 Nortec 181								





LGP Tanker

Contractor Specification

The MAJOR LGP Tanker is a robust vehicle designed and manufactured with the larger producer or contractor in mind. The MAJOR LGP Tanker is unique in design, in that the barrel is supported by a separate chassis.



The position of the axle relative to the machine length means that a perfect balance is achieved with 80% of the weight running on the tanker's axle and the remainder being carried on the tractor drawbar.

The tanker is baffled to prevent 'wave' motions during transport. It is mounted on wide support wear plates to spread the weight reducing tension and stress. 6" filler points are placed on the sides and rear of the tank.

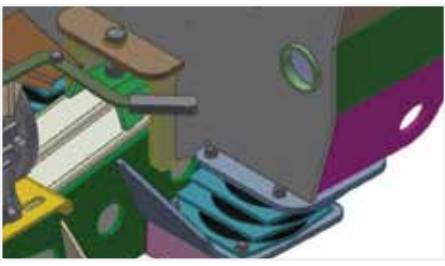
These tankers are available in both the traditional MAJOR green finish or galvanised on request. All MAJOR LGP and Alpine tankers are fitted with hydraulic brakes, side and rear lights as standard. This is in full compliance with regulations for agricultural vehicles.



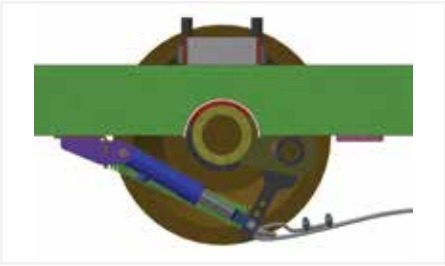
Heavy duty commercial specification axle



Fitted with safety breakaway cable for safer use on public highways.



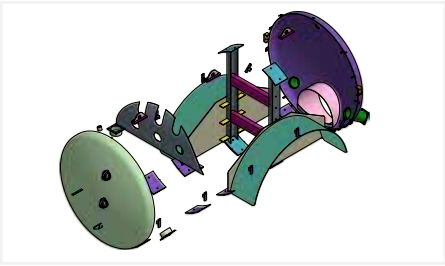
Drawbar is fitted with rubber buffers to give a smoother and safer journey



Hydraulic brakes as standard ensuring compliance with the regulations for this model of tanker



Contractor LGP tankers can be supplied with a painted or galvanised finish.



Internal baffle plates improve operator driver safety by preventing wave motions during transport.

The Major 3100LGP tanker is built on a full length chassis which enhances the machine's strength and durability. Therefore it's going to give me and my business long-term serviceability. Both Major and our local dealer have stood behind us, given us all the support needed for installation and getting the best from the tanker.

JIM JONES, J T JONES AGRICULTURAL CONTRACTING

Model	Tyre options	Capacity		OA Length (Hitch to coupling ball)	OA Width (Depends on tyre)	OA Height Hitch @ 450mm	Wheel Recess	Weight (Kg)	
		Gallon	Litres					Empty	Full
2050LGP	28.1 R26 Russian	2,050	9,319	6.9m	2.6m	3.3m	Yes	3,882	13,201
	800/65 R32 Nortec 181								
	800/65/R32 Maxam								
	800/65 R32 Alliance								
2200 IND	800/65R32 BKT	2,200	10,228	6.5m	2.4m	3.2m	No	4,050	14,086
	550/60/22.5 BKT								
	28.1 R26 Russian								
	800/65 R32 Nortec 181								
2250LGP	800/65/R32 Maxam	2,250	10,228	6.5m	2.6m	3.4m	Yes	3,920	13,630
	800/65 R32 Alliance								
	800/65R32 BKT								
	800/65 R32 Nortec 181								
2400LGP	800/65/R32 Maxam	2,400	10,910	6.9m	2.6m	3.4m	Yes	4,250	15,160
	800/65 R32 Alliance								
	800/65R32 BKT								
	800/65 R32 Nortec 181								
2600LGP	800/65/R32 Maxam	2,600	11,819	7.0m	2.6m	3.4m	Yes	4,350	16,169
	800/65 R32 Alliance								
	800/65R32 BKT								
	800/65 R32 Nortec 181								
2800LGP	800/65/R32 Maxam	2,800	12,712	7.3m	2.6m	3.4m	Yes	4,550	16,369
	800/65/32 Alliance 181								
	800/65/32 BKT								
	800/65 R32 Nortec 181								
3100LGP	800/65/R32 Maxam	3,100	14,092	8.1m	2.6m	3.5m	Yes	4,650	18,742
	800/65 R32 Alliance 181								
	800/65 R32 BKT								



Alpine LGP Tanker

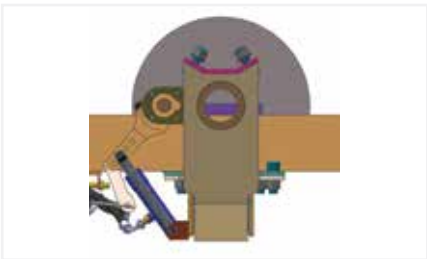
Contractor Specification

The MAJOR Alpine tanker design is based on the contractor LGP specification, but with a dropped axle to give a low centre of gravity. This results in less ground pressure than standard axle tankers and minimal ground damage even in wet conditions.

There are three sizes available: 2150, 2300 and 2670 gallons. As with all MAJOR tankers, the inside is baffled to prevent wave motions and improve operator safety.



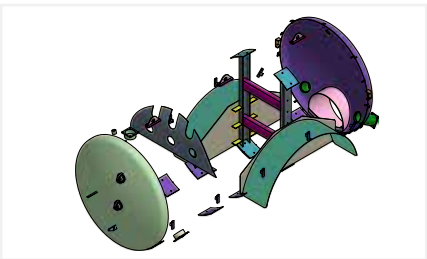
Model	Tyre options	Capacity		OALength (Hitch to coupling ball)	OAWidth (Depends on tyre)	OAHeight Hitch @ 450mm	Wheel Recess	Weight (Kg)	
		Gallon	Litres					Empty	Full
2150ALP - LGP	30.5 R32 Nortec 181	2,144	9,747	6.5m	2.6m	3.2m	Yes	3,856	13,603
	800/65/R32 Maxam								
	800/65 R32 Alliance								
	800/65R32 BKT								
2300ALP - LGP	30.5 R32 Nortec 181	2,340	10,640	6.8m	2.6m	3.2m	Yes	4,130	14,770
	800/65/R32 Maxam								
	800/60 R32 Alliance								
	800/60 R32 BKT								
2670ALP - LGP	800/65 R32 Nortec 181	2,670	12,150	7.4m	2.7m	3.2m	Yes	4,350	16,500
	800/65 R32 Maxam								
	800/65 R32 Alliance 181								
	800/65 R32 BKT								



Hydraulic brakes as standard ensuring compliance with the regulations for this model of tanker



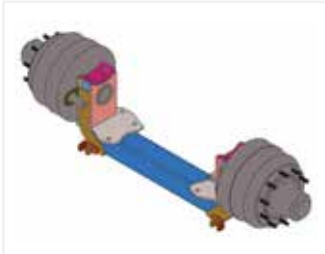
The joints on the tank are welded to ensure a high-quality and visually perfect weld seam.



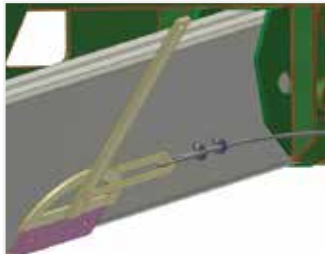
Internal baffle plates improve operator driver safety by preventing wave motions during transport.



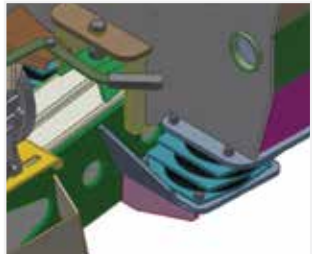
Choice of painted or galvanised finish



Heavy duty dropped commercial specification axle



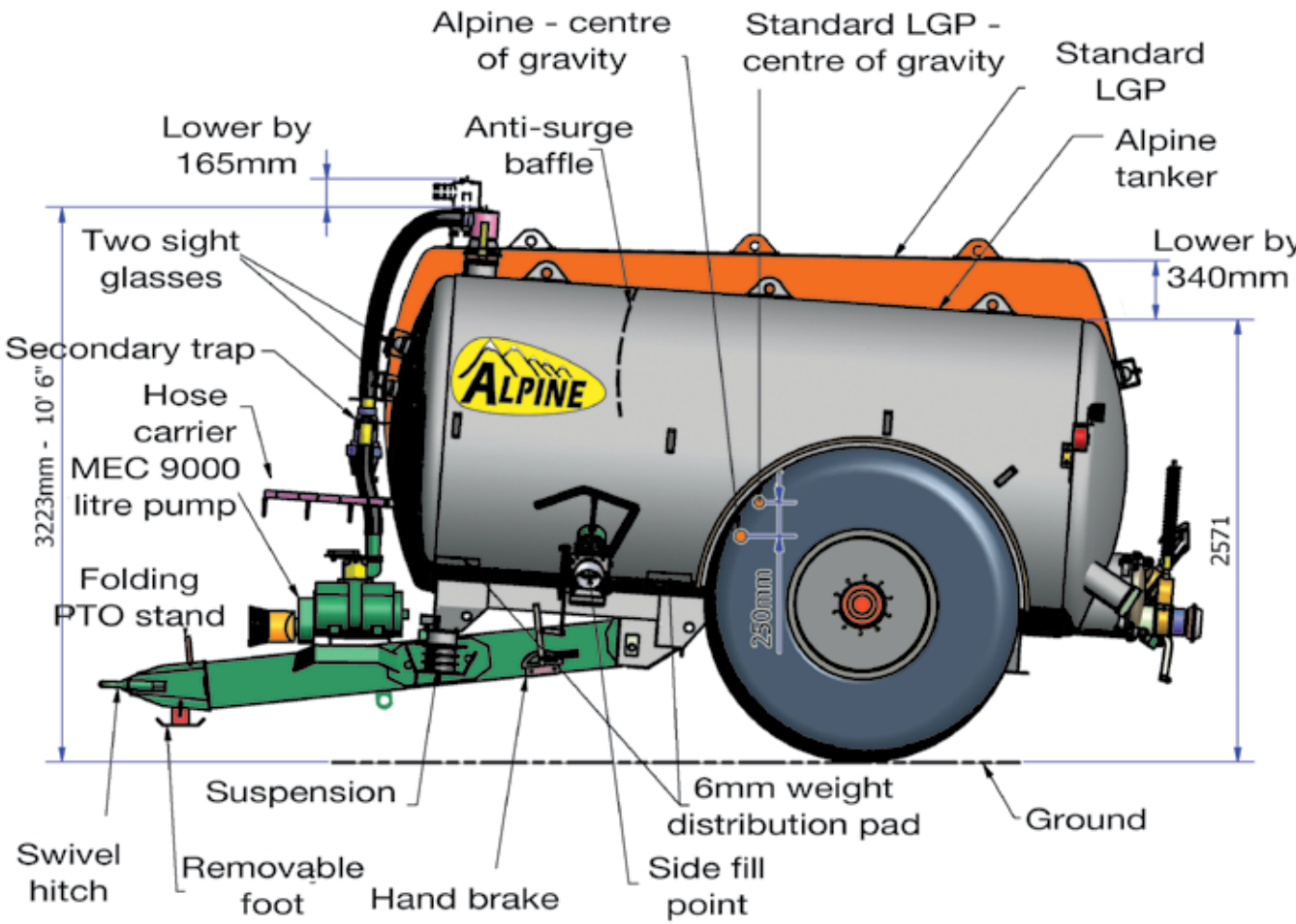
Fitted with safety breakaway cable for safer use on public highways.



Drawbar is fitted with rubber buffers to give a smoother, safer journey

“The Major Alpine is built using a separate chassis system which reduces stress on the tank, so it’s a lot more durable than the average tanker. With the large tyres we are using, we get less compaction – even in the wet.

VICTOR JENNINGS, DAIRY FARMER, CO. CORK, IRELAND





Tandem Tanker

Contractor/Industrial Specification

This is the specialist tandem slurry tanker range from Major Equipment. All MAJOR tankers are constructed from 6mm steel for maximum strength. These tankers sit upon high specification commercial axles.

They are supplied with steering axles as standard, for minimal grounds compaction and easy maneuvering.

The MAJOR tandem axle tanker is baffled to prevent 'wave' motions during transport ensuring safer and smoother towing.

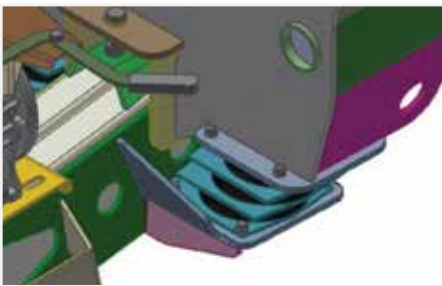


“Being new to the slurry game we were fairly green; the options were bewildering. While there are plenty of manufacturers to choose from, it was Major Equipment that sat down with us and really talked us through the selection process.
GRANT LUMSDEN, MANAGER, BARFOOT FARM LTD

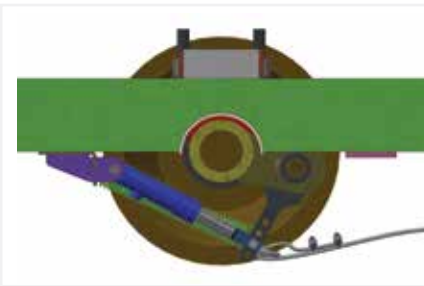
Model	Capacity		OA Length (Hitch to coupling ball)	OA Width (Depends on tyre)	OA Height Hitch @ 450mm	Wheel Recess	Weight (Kg)	
	Gallon	Litres					Empty	Full
3000TDM	3,000	13,638	7.7m	2.7m	3.4m	Yes	4,700	18,358
3500TDM	3,500	15,900	8.7m	2.7m	3.4m	Yes	5,020	21,277
4000TDM	4,000	18,185	9.4m	2.7m	3.4m	Yes	5,600	24,113



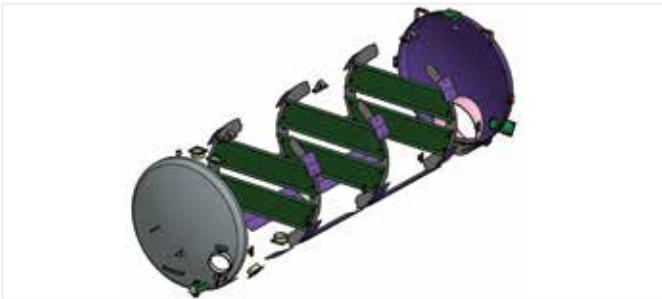
Heavy duty bogey axle, ideal for rough terrain



Drawbar is fitted with rubber buffers to give a smoother and safer journey



Hydraulic brakes as standard ensuring compliance with the regulations for this model of tanker



Internal baffle plates improve operator driver safety by preventing wave motions during transport.



The joints on the tank are welded to ensure a high-quality and visually perfect weld seam.



Fitted with safety breakaway cable for safer use on public highways.



Fully galvanised finish



Tyre	560/60/22.5 BKT	600/55R26.5 BKT	650/55R26.5 BKT	710/50R26.5 BKT	750/45R26.5 BKT
W (mm)	1244	1333	1389	1383	1349
D (mm)	3767	4077	4216	4246	4147

Tanker Options/Accessories

We offer a full custom design and build programme for specialist contractor slurry tankers. Below is a small sample of the optional components that we offer. Please speak to your authorised MAJOR dealer for more specific advice.

Filling



Autofiller: 6" or 8" hydraulic coupler. It is ideal for slurry pits that are difficult to access. It reduces your filling time by half. A galvanised tripod is supplied as standard.



Top Fill: The hydraulically controlled top fill is used to fill the tank from the top. This option allows for high flow rates and fills the tank to its optimal level.

Spreading/Emptying



Raingun: Centre mounted or rear mounted in conjunction with a garda pump fitted with stone trap as standard.



Road Blaster Unit: This unit is fitted beneath the tanker for high-pressure road washing. The angle of the nozzles can be adjusted for tough conditions



Washdown Hose Assembly: Consists of a 2" gate valve and 2" quick hose connector



Water Spinner: This unit is for dust suppression on roads, building sites and waste disposal plants

Additional Equipment



Double LED Lights: Double LED lights and LED side markers can be fitted for increased operator safety



Fully Opening Rear Door: These doors are mounted on hinges. They are locked by six threaded hooks.



Full Length Sight Tubes: To allow the operator to easily identify how much liquid remains in the tank.



Toolboxes: Two sizes available:
1230 (L) x 370 (W) x 370 (D)
760 (L) x 320 (W) x 250 (D)



Mud Flaps: 6mm heavy duty rubber mud flaps



Rear Linkages: Linkages can be added to your tanker to allow slurry injector units to be fitted at a later stage.

Pumps

Type	Code	Description	Suitable for
PTO	MEC9000	Standard PTO driven vacuum pump	Traditional spreading, trailing shoe
	MEC11000		
	MEC13500		
GARDA	GARDA8000	Combination vacuum pump/centrifugal pump, with change over	Traditional spreading, rain gun, trailing shoe, umbilical systems, jetting, blaster bar for road cleaning
	GARDA9000		
	GARDA11000		
	GARDA13500		
HYDRAULIC	MEC8000HLF-S	Standard hydraulically driven vacuum pump	Traditional spreading, trailing shoe
	MEC900HLF-S		
	MEC110HLF-S		
	MEC135HLF-S		
BAUER	SX1000	Centrifugal Pump	Rain gun, trailing shoe, umbilical systems
ELBA	ELBA6500TR	Centrifugal Pump	Rain gun, trailing shoe, umbilical systems
DODA	DOA27CWG	Centrifugal Pump	Rain gun, trailing shoe, umbilical systems

Principle

The vacuum system creates an atmospheric pressure difference in order to fill or empty the tanker. By creating a vacuum (depression) in the tank, slurry can be sucked. When spreading, the principle is reverse: the tank is pressurized by the pump, which allows it to expel the slurry.

What pump capacity to choose from

An appropriate capacity is used to create the vacuum before starting to fill the tank or to pressurize it during the spreading phase. The pump then “merely” has to keep this vacuum or pressure.

Choosing too large a pump means wasting tractor power, with a risk of unnecessary wear and tear. The effective vacuum rate is always the same, whatever the chosen type of pump may be.

Once the capacity of the pump is selected, it is possible to choose given type of greasing and cooling system.

Vanes

Most pump systems supplied on MAJOR tankers have vanes. The air flow is directed by a deflecting valve in order to spread or suck slurry. All normal vacuum pumps create the same “vacuum”; only the air flow capacity of the pump matters. The range of vacuum pumps with vanes supplied by MAJOR are 9,000, 11,000 and 13,500 l/min.



PTO Pump



Garda Pump



Hydraulic Pump



Bauer



Elba Pump



Doda Pump (with arm for umbilical systems)



Trailing Shoe

Retro-Fit Farmer Specification Slurry Application Unit

The MAJOR farmer specification Trailing Shoe sits close to the rear of the tanker for better weight distribution and is designed to fit any size tanker. This unit is easily mounted onto the back door without welding or fabricating, and can be used with the existing splashplate in place. Slurry enters the macerator through the 4" bauer coupling and is distributed through the 40mm outlets.

The 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 meaning reduced maintenance times. A large capacity stone trap is located under the macerator which collects debris. It can be cleaned out easily, without the use of tools.

The high tensile springs use the high carbon steel coulter to split the grass – allowing the slurry to run on the ground. The spring steel bars on the frame allow the outlets to follow the ground contours.

Features

- ✓ Fully galvanised body
- ✓ Vogelsang ExaCut macerator distributes slurry precisely and constantly
- ✓ Can be used with the existing splashplate in place
- ✓ Simple height adjustment allows the unit to be set according to tanker height making it adaptable to any tanker make or model.
- ✓ Full lighting board is fitted as standard
- ✓ Hydraulic breakaway (optional extra)



Trailing Shoe

Contractor Specification Slurry Application Unit

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 distributed through the 40mm outlets. A large capacity sump is located under the macerator which collects debris. It can be cleaned out easily, without the use of tools.

The 40mm distribution pipes are finished off with couplings to allow simple maintenance of the rubber nozzles. The high tensile springs use the high carbon steel coulter to split the grass allowing the slurry to run on the ground. Pneumatic wheels are fitted as standard letting the frame follow the ground contours.

The 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 meaning reduced maintenance times.



Features

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

Model	MJTS6430
Working Width	6.4m (20' 11")
Transport Width	2.7m (8' 4")
No. of Outlets	24
Outlet Width	40mm
Hydraulic Requirement	50 - 70 litre/min @ 230 bar max



Dribble Bar

Retro-Fit Universal Tanker Mounted Dribble Bar

The MAJOR Dribble Bar slurry applicator is designed to apply slurry to the soil surface as accurately as possible, while minimising grass contamination and ammonia emissions. This unit has 30 outlets spaced 260mm apart for even and precise distribution of liquid material in long and short grass.

A high-strength steel is used in the manufacture of the MAJOR Dribble Bar and is hot dipped galvanised to increase durability and lifespan.

Features

- ✓ Easily mounted onto the back door without welding or fabricating for simple retro-fitting
- ✓ Vogelsang ExaCut macerator distributes slurry precisely and consistently
- ✓ Can be used with the existing splashplate in place
- ✓ Simple height adjustment allows the unit to be set according to tanker height making it adaptable to any tanker make or model.
- ✓ Full lighting board is fitted as standard
- ✓ Double self-aligning pivot hinge with easy access grease point on each wing
- ✓ Hydraulic breakaway (optional extra)



Model	MJ91-750
Working Width	7.5m (24' 7")
Transport Width	2.2m (7' 2")
Wing pivot	100°
Height	2.8m (9' 2")
No. of outlets	30
Weight	450KG *including back door
Macerator	Vogelsang ExaCut 30/40
Spools required	2 double acting hydraulic spools
Back door size	20" + 30"
Rear fill	Yes
Note	Can be self retro fitted



Dribble Bar

Factory-Fitted Dribble Bar

The MAJOR Dribble Bar slurry applicator is designed to apply slurry to the soil surface as accurately as possible, while minimising grass contamination and ammonia emissions. This unit has 40 outlets spaced 260mm apart for even and precise distribution of liquid material in long and short grass.

A high-strength steel is used in the manufacture of the MAJOR Dribble Bar and is hot dipped galvanised to increase durability and lifespan.

Features

- ✓ Factory fitted with a supporting buttress welded to the tank chassis
- ✓ Vogelsang ExaCut macerator distributes slurry precisely and consistently
- ✓ Can be used with the existing splashplate in place
- ✓ Full lighting board is fitted as standard
- ✓ Double self-aligning pivot hinge with easy access grease point on each wing
- ✓ Suitable for 2400 gallon tankers and up
- ✓ Hydraulic breakaway as standard



Model	MJ91-1000
Working Width	10.1m (33' 2")
Transport Width	2.2m (7' 2")
Wing pivot	95°
Height	2.4m (7' 11")
No. of outlets	40
Weight	900KG
Macerator	Vogelsang ExaCut 40/40
Spools required	2 double acting hydraulic spools
Rear fill	Yes



Disc Injector

Slurry Application Unit

The MAJOR 5.2m Disc Injector is a combined soil fertilising and furrowing machine with a working depth from 20mm (3/4") to 60mm (2 1/2"). A powerful Vogelsang macerator delivers slurry evenly through 40mm pipes. The slurry is inserted into slits created by the spring steel self sharpening cutting discs. The unit folds hydraulically giving a 2.4m transport width.

The MAJOR Disc Injector operates best in grass/stubble of a height between 60-100mm (2 1/4 - 4"). When working, the spring loaded discs create slits of 20-60mm 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. (Hydraulic requirement: 50 - 70 litre/min @ 230 bar max)

Model	MJDI-5200
Working Width	5.2m (16' 5")
Transport Width	2.4m (8')
No. of Outlets	26
Working Depth	20-60mm
Weight	1380kg
Spread Capacity	10 - 30 m3 / ha



Slurry Agitator Pumps

Super and Mega Contractor Models

The MAJOR range of Super and Mega Agitators are efficient slurry pumps designed with the larger farmer and contractor in mind. They create enormous pressure to give phenomenal mixing power and slurry output.

The three point linkage design with quick hitch attachment allows the PTO to remain connected during transport and in and out of slurry pits. The diverter box design allows for efficient flows for both mixing and top filling, helping to keep fuel costs to a minimum.

The mixing head can be raised above the horizontal plane, to reach further up the tank. It can also be lowered to the tank floor, towards the pumps intake propeller.

It brings the full jet of slurry with it as it is adjusted up and down and through every position, to a radius of 100 degrees. All adjustments are easily carried out, even while working at high pressure.

Model	MJ95-400-7S	MJ95-400-8S	MJ95-500-7M	MJ95-500-8M
Description	Super 7'	Super 8'	Mega 7'	Mega 8'
Drive	Gearbox	Gearbox	Gearbox	Gearbox
Working Depth	2.13m (7')	2.43m (8')	2.13m (7')	2.43m (8')
Power (HP)	100 HP	100 HP	130 HP	130 HP
PTO (rpm)	540	540	1000	1000
Output (l/min)	18,100	18,100	22,700	22,700
Weight	785kg	945kg	890kg	1120kg

Features

- ✓ Quick attach lower linkage
- ✓ 310 degrees of horizontal adjustment with spring loaded lock
- ✓ Marine bearing with easy access for maintenance
- ✓ Chopper blade
- ✓ Fully galvanised body and frame
- ✓ Rögelberg gearboxes with a 1 1/4" input shaft



Watch Video

Swinging Saw Bench

3 point linkage

The MAJOR Swinging Saw Bench fits on the tractors 3 point linkage and can cut up to 28cm (11") in depth.

It is equipped with a depth gauge and an extension piece for holding longer logs. The machine is fitted with wheels and an extending handle allowing the operator to easily tow the machine by hand into storage.

For operator safety both hands used in locking the material in place and for operating the swinging bench. The saw blade can be isolated from the PTO drive by the red pedal located at the base of the machine.



Features

- ✓ Tungsten carbide tipped blade
- ✓ Depth gauge for accuracy
- ✓ Both hands required for operation
- ✓ Safety pedal
- ✓ PTO shaft supplied as standard

Model	SAT
Paint	Two pack
Working Width	0.28m (11")
Power requirements	30 - 80 hp
PTO rpm	540



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