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FOLLOW THE LEADERS

SlurryKat





A WELCOMING WORD FROM THE CHIEF...

I am delighted to welcome you to SlurryKat and to this, our corporate product brochure. I trust you will find it of interest and that it will lead you to find out more about the specific SlurryKat products relevant to your needs.

I have no doubt that much of our success is due to the high quality and solutions-focused nature of our products, but I am equally sure that the rigorous commitment to excellence and customer service displayed by every member of the SlurryKat team is equally important in bringing about and maintaining our success.

Most of our team, myself included, come from farming and engineering backgrounds, so we understand the challenges that farmers

face in today's challenging agri industry and we appreciate the role that well designed, reliable equipment plays in ensuring farm productivity and profitability. This knowledge, gained from experience, is invaluable and we apply it to every piece of equipment we design and build.

So whether you are a farmer, a contractor or an agri-machinery dealer, we very much hope that you will continue to benefit from our innovation and expertise.

Garth Cairns

**Chief Executive
Principal Design Engineer**



WHERE IT ALL BEGAN

Always having a keen interest in farming, in the early 1990s, Garth worked on local dairy farms in the evenings and weekends, milking and feeding cows. It was during these years that he obtained great insight and knowledge of farming, while still studying at school. Garth then began welding and expanded his skills with metal working.

In the mid-1990s he realised a need for contracting services for local farmers who were struggling to do a variety of field work operations. Seeing this niche in the market, Garth bought a

tractor and built two custom trailers, which started a whole new venture for him in Co. Armagh, Northern Ireland.

Very quickly he was overwhelmed with work from local farms and he expanded to offer complete silage harvesting services, then slurry spreading services after each harvest.

Having the unique experience of sitting on the tractor seat, Garth quickly developed his own equipment that was different from what was

on the market. This accelerated demand for his contracting services and also developed a need for the equipment he manufactured for his contracting business.

Fast forward 25 years to present day, it is from those very humble beginnings that today's extensive range of SlurryKat equipment in the following pages of this brochure, were conceived, developed and refined, and it is Garth's first-hand experience on the farm and in the field that puts SlurryKat in a league of its own.





2023 Business Of The Year





A MULTI-AWARD WINNING COMPANY

Since 2008, SlurryKat have won numerous awards for innovation of new concepts, new product designs, manufacturing excellence and global export initiatives. The spreading technology dribble bar systems obtained the Royal Agricultural Society Award for innovation.

It is this recognition for SlurryKat's commitment to the agricultural industry that sets the company apart as a specialised Agri equipment innovator and manufacturer. The SlurryKat production facility covers 44,300 square metres, set on a 21 hectare (52 acre) site in

County Armagh, Northern Ireland, approx. 30 minutes from Belfast. Over 100 people are employed in the manufacturing processes and the company exports to over 25 different countries globally.

The purpose built facility gives full traceability of all components and equipment throughout production. Utilising cutting edge manufacturing technologies, from stores to the CNC machine shop right through to the latest state of the art paint finishing facility, everything is in place to ensure each product is made to the highest of quality.

The land surrounding the production facility is intensively farmed with a mix of grass pasture and

cereal crops, putting us right at the heart of the industry we are built to serve. While there is no animal production on the site, SlurryKat is in a unique position to have an R&D Facility where there is storage holding tanks for 1000 cubic meters of real farm slurry from local dairy, beef and Biogas production farms.

This enables our Research & Development team to use real slurry to develop and test mixing and spreading applications on the surrounding lands of the facility giving SlurryKat a unique advantage of product development. This also allows visitors to visit the facility and see equipment work in a real situation, in a field, using real slurry.



AGRI CONTRACTORS & SLURRY EQUIPMENT SUPPLIERS

*Cairns Contracting & SlurryKat are Agri Contractors
and Slurry Equipment Suppliers to CAFRE and AFBI.
Contracted 2017 - 2025*





THE HISTORY BEHIND THE BRAND

SlurryKat is currently the leading manufacturer of innovative slurry/manure handling solutions for the Agriculture and Bio-Gas industries.

While the SlurryKat name was established in 1994, it had less than 5 employees up until 2007 and just a few simple products. It wasn't until 2007 that today's Chief Executive Garth Cairns purchased the company, solely to obtain access to the highly acclaimed Oroflex lay-flat hose franchise for UK & Ireland. With this obtained, a completely new manufacturing company was conceived, leaving everything of the old company behind in the past.

2008 saw a whole new vision from Garth as an engineer and an experienced agricultural contractor with over 25 years of farm contracting experience. Garth has built up one of Northern Ireland's most successful Agri contracting businesses. While a separate business,

it is an integral and significant back bone of today's SlurryKat manufacturing empire.

2008 welcomed all new designs, innovative concepts, as well as a new logo for SlurryKat, as Garth acknowledged the increased demand in the market for innovative slurry equipment to comply with the EU 2007 Nitrates Directive.

Under its current ownership, SlurryKat has seen new vision, new ethos and a full range of new product designs previously unseen anywhere. This new vision has driven the business with unprecedented levels of technology, innovation and high quality manufacturing to where it is now, competing on a global platform. Garth sees his first-hand 'on farm' experience as the main catalyst for the company's success. It was with this first-hand knowledge and drive that Garth set about making SlurryKat into the company it is today with huge success year on year.

SlurryKat's range of products serve to boost farm productivity and profits through their ease of use, reliability and technical excellence. These qualities have been instrumental in ensuring our outstanding success and they remain the hallmarks of SlurryKat's entire product portfolio to this day.

Through the hard work and dedication of the SlurryKat team, the company continues to build its reputation as the brand that delivers, using the latest cutting-edge engineering techniques and systems to ensure SlurryKat remains the technical market leader. Every product in the entire SlurryKat range is CE approved and carries all relevant HSE approvals.

We invite you to read and find out more about our product portfolio.

THE SLURRYKAT DIFFERENCE

The Experts in Innovation

All SlurryKat's Approved Master Technicians have undergone an impressive 4,000 hours of training over a 5-year programme to ensure they have the latest technical expertise and knowledge for manufacturing its equipment. Every one of our highly skilled technicians has performed a rigorous induction and training programme to ensure they can discuss your slurry-handling needs or answer any questions you may have about your equipment.

Manufacturing & Service Tailored to Your Needs

Regular maintenance is key to safeguarding your SlurryKat equipment's performance and a full SlurryKat service history will help you enhance the future re-sale value.

To make servicing easy, all SlurryKat's equipment has been designed to work efficiently for you and to keep maintenance to an absolute minimum through our innovative design process. We offer several service options tailored to suit your individual needs, from fixed inspection services to full flexible service schedules.

The conventional fixed inspection services schedule has fixed intervals for basic oil changes, lubricants and general checks and adjustments and is determined by operational hours or yearly intervals, whichever comes first. The choice of servicing schedules depends mainly on the use and frequency of your equipment.

Your approved SlurryKat service provider will help you to choose the most suitable service schedule for you based on your individual circumstances and preferences.





PAINT... OUR ATTENTION TO DETAIL

All SlurryKat equipment is finished to the highest possible standard in the agricultural industry using the latest modern techniques and technology.

In 2019, the company made a multi-million pound investment into a custom built final finishing facility at the SlurryKat works in Waringstown, Co. Armagh, introducing two exceptional paint lines with booths that are over 20 metres long and 6 metres high, facilitating a mega plant to paint all the equipment lines that SlurryKat manufacture.

Every piece of equipment undergoes a vigorous shot blasting process to remove all scale, impurities and contaminants on the steel, which strips it right back to its purest form. After the shot blasting process, the equipment enters a pre-heated oven for 30 minutes which heats the steel to 65°C, then it is coated with two coats of Hi Etch primer which aggressively adheres to the blasted steel. Then the primer is flash baked at 85°C for 20 minutes before three final coats of a hard wearing, special corrosion preventative gloss coating are applied and then further baked at 85°C for 1 hour to seal the final coating. This coating is exclusively manufactured for SlurryKat to protect the equipment subjected to highly corrosive slurries, to give the ultimate protection on your equipment for many years of service.

NB. You can have your equipment painted in your preferred colour as an optional extra



The image shows a close-up, low-angle shot of a green corrugated metal building facade. The sky is blue with scattered white clouds. The SlurryKat logo is mounted on the wall, featuring the word 'Slurry' in green and 'Kat' in red, both in a bold, rounded font. A thick, curved line in a gradient of yellow and green arches under the text. Below the logo, the slogan 'QUALITY LIVES HERE' is displayed in large, white, block letters.

SlurryKat

QUALITY LIVES HERE



ROYAL NOD OF APPROVAL

In January 2020 we had the honour of welcoming HRH The Princess Royal to the SlurryKat production facility.

The Princess was led on a tour of the production facility by CEO Mr Garth Cairns. HRH was given a briefing about the components used for building tankers and shown 3D CAD models of the equipment. She viewed laser cutting machinery and the welding process before being briefed about the construction of umbilical systems, components and attachments.

The tour concluded in SlurryKat's new state of the art painting and final assembly facility, where the Princess observed the painting process and final assembly of the products.

The Princess met with SlurryKat staff and unveiled a plaque to commemorate her visit and was presented with flowers and a miniature model SlurryKat tanker.

Our CEO commented "It was an honour to host the HRH The Princess Royal at SlurryKat and share my journey of the past 13 years of the company with her. It was fantastic to be able to showcase some of the engineering expertise that SlurryKat has to offer."



CUSTOMER OPEN DAYS

SlurryKat Spreading Technology Show

Around 800 farmers and agricultural contractors attend the annual SlurryKat Spreading Technology Show, a public open day held every January at the company's manufacturing base at Waringstown in County Armagh.

The event showcases the latest slurry spreading technology manufactured by SlurryKat and highlighted forthcoming spreading regulations banning the use of splash plates.

Due to increased environmental concerns regarding high ammonia emissions generated when spreading slurry, the use of splash plates is set to be banned across Europe and further afield by 2025.





SHARING OUR EXPERIENCE

Those attending the SlurryKat open days are able to see what alternatives to the splash plate are available. A full range of SlurryKat tankers, trailers and Doda pumps are also on display.

SlurryKat CEO Garth Cairns provides technical seminar talks on the equipment and shares his 24 years of slurry spreading experience with all the visitors. The event focuses on environmental regulations for spreading slurry on farms and it also shows farmers and contractors the low emission spreading methods that are available to the industry to comply with the regulations.

The events have been attended by high level figures from the world of agriculture including the Minister Agriculture for Northern Ireland, DAERA officials and other industry experts.

SLURRYKAT, A 'ONE IN A MILLION' COMPANY

ISO Standard is accredited by the UK Accreditation Service (UKAS) which is the internationally recognised standard for Quality Management Systems and is the highest quality of any standard in the world. Only one million companies globally have achieved this.

ISO 9001 provides a framework that ensures an efficient quality generating approach to the manufacturing process and company management style, ensuring all SlurryKat products are manufactured to the highest standards.

This is also in conjunction with the ISO 14001 standard, which are high standards for environmental factors around our production processes on the SlurryKat manufacturing site.

SlurryKat's Health & Safety standards are the highest in the industry and accredited to ISO 45001 standards and regularly inspected by government Health & Safety Executive (HSE).



SlurryKat is also an accredited Financial Conduct Authority (FCA) company.



This means that when you choose SlurryKat, you can be assured of that one-in-a-million quality!



OUR VISION



***The World's Leading Slurry
Handling Equipment Manufacturer***

UMBILICAL PUMPING SYSTEMS

Improving productivity, reducing costs and helping the environment

Slurry/manure is a valuable source of nutrients and is an important agricultural resource. At SlurryKat, we believe it is vital that slurry/manure is applied to the land in ways that will maximise its effectiveness, enhance productivity and minimise its environmental impact.

That is why our technically advanced, multi award winning Umbilical Pumping Systems are designed both to improve the availability of nutrients from slurry/manure for plant uptake; and minimise environmental pollution. As a result, our systems have been proven to save up to 80% on fertiliser costs, and are currently being successfully used by contractors and farmers around the world.





WHY SLURRYKAT?

Selecting the right equipment manufacturer for your business is vitally important, the image on this page is just one example of why we are the best at what we do. Perfect slurry distribution on the crop is key to efficient farm production, minimising the need for artificial fertilisers. SlurryKat is Europe's number one umbilical system, evidenced by spreading scenes such as this.



WHY WE ARE THE LEADERS - KEY INNOVATIONS

SlurryKat is the only manufacturer in Europe which operates a full farm contracting operation covering all types of farm work. We use this unique arrangement to test all our new products and gain vital knowledge for improving and developing the all equipment we manufacture.

SlurryKat was the first to develop the market leading drag hose with Oroflex in Barcelona.

SlurryKat was the pioneer manufacturer of the spreading technology systems such as dribble bars in UK & Ireland.

SlurryKat was the first to incorporate an umbilical system with a tanker by mounting a Doda umbilical pump on it.

SlurryKat was the first tanker manufacturer to offer a full length press formed chassis in their tanker design.

SlurryKat was the first manufacturer to bring the spreading technology equipment directly to the rear of their tankers without an inspection hatch.

SlurryKat was the first manufacturer to offer tankers completely ready to fit spreading systems at a later date.

SlurryKat was the first to offer an ultra-low recessed suspension system on its tanker models.

SlurryKat is a multi-award winning company.

SlurryKat was the first to offer a patented turbo fill pump system that boast fill rates of +12m³ per minute.

SlurryKat was the first to offer a 24m dribble bar on a tractor for umbilical system application.

SlurryKat was the first to design a totally unique patented umbilical hose coupling manufactured from stainless steel that can swivel under pressure.

SlurryKat was the first to offer a hose reeler that has 'Lift and Drive™' use without leaving the tractor seat - BAK-PAK™ SYSTEM.

SlurryKat was the first to offer a unique flow monitoring system for auto field application of slurry - SKIARC™.

SlurryKat was the first to offer an automated headland management system on umbilical pumping system for effortless headland turns.

SlurryKat is the only Manufacturer to have a dedicated in-house wet testing Slurry Spreading Technology R&D centre.

SlurryKat is the only ISO 9001, ISO 14001 and ISO 45001 Certified Slurry Spreading Technology Manufacturer.







VISIBLY DIFFERENT - VISIBLY PERFECT





MULTI-AWARD WINNING DRIBBLE BAR SYSTEMS

Delivering slurry where it is needed

The essence of successful slurry/manure application is to deliver the right amount directly onto the soil, with minimal disruption to plant matter and soil structure. This is where we excel.

SlurryKat is a world leader in the development and manufacture of high end dribble bar slurry/manure dispersal systems. Specifically designed to be controlled by one operator, SlurryKat's entire range of umbilical slurry/manure systems and dribble bars has been tried and tested in Ireland, one of the toughest farming environments in Europe.

Available for use all year round, and with any crops, SlurryKat dribble bars achieve a uniform spread of slurry/manure, with minimal plant contamination. As a result, fertiliser costs could be reduced by up to 80%.

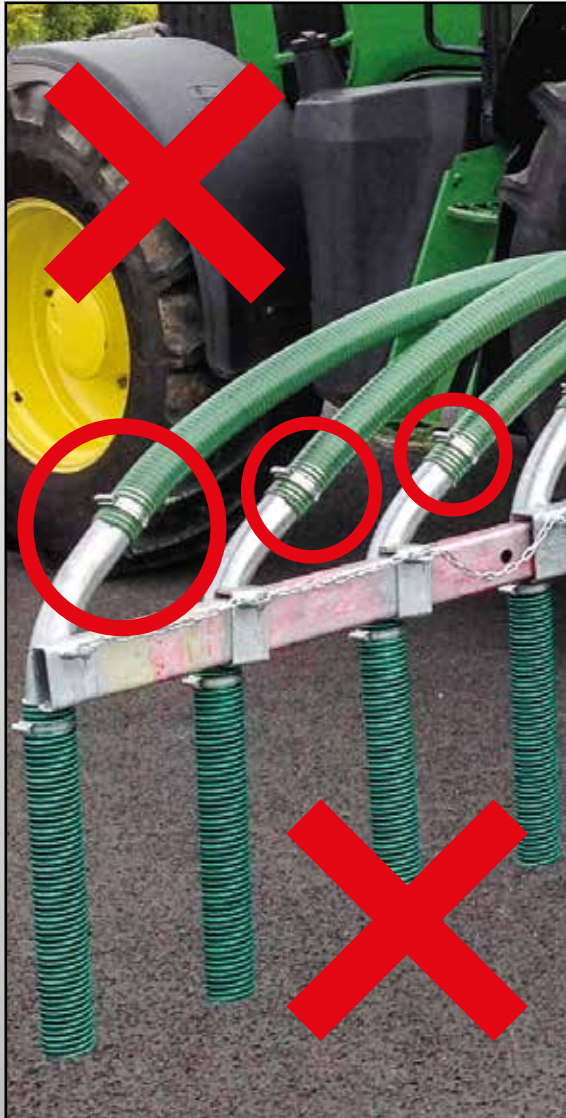
All of our dribble bars are CE approved, come with a 3-year warranty as standard and are available in widths from 7.5 metres up to 24 metres. So whether you are an independent farmer or a large scale contractor, SlurryKat has a system to meet your needs.







Super-Flow 40mm slurry delivery hoses on all our units...



Competitors 50mm hoses c/w internal steel tubes which causes blockages.

On all SlurryKat Dribble Bar & Trailing Shoe spreading systems we only use 40mm internal diameter specially manufactured delivery hoses. When SlurryKat first pioneered Dribble Bars back in 2007, we started with 50mm delivery hoses only to experience problems with blockages, flow rates and overall spreading performance. Through in-field testing since 2007 our extensive contracting division has clearly proven that 40mm hoses boast much enhanced performance, trouble free blockages and enhanced environmental benefits despite confusing myths from other manufacturers.

Our unique Super-flow™ design has 40mm delivery hoses which are inserted directly into 50mm drop hoses. These connections are retained with a patented clamping bracket (see photo opposite) which means that when the slurry leaves the 38mm outlets of the distributor head(s) there is nothing to restrict the slurry flow all the way until it leaves the machine to drop effortlessly to the ground.

Competitor machines (example image left) use 50mm hoses with internal steel tube connections. These internal steel connections not only corrode very rapidly after the first few months of operation but also massively restrict the flow by snagging with silage/straw fibres on the inside of the PVC hoses.

Our in-depth trials have also proved that 50mm hoses resulted in increasingly messy “splashing” leading to much less precise delivery of slurry to the ground. This lead to an increased surface area and exposure to the air resulting in significant ammonia and nutrient losses and lower crop performance than compared to 40mm diameter hoses.

As we say “there is no substitute for experience”.





12m Duo Dribble Bar

PREMIUM PLUS™ DUO DRIBBLE BARS

*One machine, two uses,
umbilical & tanker applications*

- « Vertical folding for umbilical and tanker mounted applications
- « 7.5m, 9m, 10m and 12m working width options
- « Single macerator distribution (12m Double)
- « Hydraulic folding
- « Flow meter ready
- « Hydraulic folding booms standard on all models





Model shown 10m Premium Plus Duo Dribble Bar

7.5M & 10M DUO DRIBBLE BARS

- « 7.5M - 1 x 3040 hydraulic macerator / distributor head
- « 10M - 1 x 4040 hydraulic macerator / distributor head





- « Stone / debris trap system
- « Hydraulic vertical folding
- « Hydraulic boom ends folding
- « Special UV urea resistant delivery hoses
- « Compatible with 2020 Bak Pak and all SlurryKat tankers



7.5m Duo Dribble Bar



12M DUO DRIBBLE BARS

- « 48 delivery outlets
- « 2 x 2440 hydraulic macerators / distributor heads
- « Stone / debris trap system
- « Hydraulic vertical folding
- « Hydraulic boom ends folding
- « Special UV urea resistant delivery hoses
- « Compatible with 2020 Bak Pak and all SlurryKat tankers





12m Duo Dribble Bar



SPREADING TECHNOLOGY





15M DUO DRIBBLE BARS

- « Vertical folding for umbilical applications
- « Totally unique, can be used for tanker or umbilical without any modifications
- « 15 metre working width
- « Double macerator distribution
- « Hydraulic folding
- « Flow meter ready
- « Pioneered for 15 & 30 metre tramlines applications
- « Sectional shut off optional

Premium Plus 15m Duo Dribble Bar





Premium Plus 15m Duo Dribble Bar



SPREADING TECHNOLOGY

Model shown fully galvanised with splash plate & bolt in reel sections (optional)

COMBI DRIBBLE BARS

Effective, low cost slurry spreading

Mobility, efficiency and ease of dispersal are the hallmarks of a great dribble bar system, and that is exactly what our award-winning Combi Dribble Bars deliver.

SlurryKat Combi Dribble Bars represent a highly compact, lightweight and efficient means of umbilical slurry/manure spreading. The system combines up to 600 or 800 metres of layflat hose with a 7.5m, 9m or 10m dribble bar and can be efficiently used by one operator.

As well as its widespread use by contractors, the Combi system offers a low cost solution for farmers who prefer

to handle their own slurry/manure. It is commonly used in conjunction with SlurryKat's slurry/manure mixing systems.

Versatility is our forte. We can offer special bespoke units like this Combi, non-return valve holder, split reeler with dual independent drives and fully galvanised construction.

PREMIUM PLUS™ TRAILING SHOE INJECTORS

Effective Nutrient Delivery

Some farming situations require very precise amounts of slurry/manure to be applied onto fields of growing plants. The SlurryKat Trailing Shoe delivery system has evolved to meet this requirement.

Our trailing shoe incorporates a unique design which has been honed from our extensive knowledge of slurry/manure spreading, gained over many years through our farm contracting division. It overcomes the inherent problem of traditional splash plate slurry/manure application, which results in up to 80% of the available nitrogen in the slurry/manure being lost to the atmosphere.

Designed to be used with either an umbilical or tanker-mounted system, each trailing shoe carefully deposits a predetermined and a uniform volume of slurry/manure straight onto the soil surface. This approach maximises the amount of nitrogen available for plant uptake and minimises odour from the slurry/manure. It also means the slurry/manure can be applied more precisely on fields of growing plants, without contaminating the leaves.

A further benefit is that the SlurryKat trailing shoe system can be used in conjunction with a rotational grazing system, allowing slurry/manure to be applied after each grazing so that pastures can regenerate.



Model Shown 12m Trailing Shoe







12m Premium Plus™ Trailing Shoe





SPREADING TECHNOLOGY



12m Premium Plus™ Trailing Shoe

DEEP LEG SOIL INJECTION SYSTEMS

For certain applications in deep soils it is possible to use a deep injection system. This system also allows for very high application rates of slurry to be applied into the soil while also opening the soil up after compaction from harvest activities.

Other features include

- « 5 & 7 Leg shank models available
- « 2.5m and 4m working widths
- « Hydraulic break back on legs and discs with Nitrogen compensation accumulators
- « Adjustable pitch and on discs
- « Discs and shanks depth adjustment
- « Delivery of slurry to soil through hollow Boron Manganese shanks
- « Replaceable heavy duty feet
- « Swinging drag hose arm to clear all of the shanks and prevent snagging of drag hose
- « Double swivel system on drag arm
- « Macerator distributor
- « 80mm delivery hoses for high flow to the shanks without blockages
- « Delivery up to 300mm depth in soil
- « Application flow rate 8-10m³/minute





PREMIUM PLUS™ BAK-PAK™ SYSTEM

Straight forward field operation

The Bak-Pak™ hose reel system is our flagship reeling system and is unique to SlurryKat. Engineered to the highest standards, it offers a light weight, ergonomic design; a high performance hydraulic motor; and, when combined with a front reeler, can deliver a hose capacity of up to 2200 metres.

Bak-Pak™ can be coupled with any of the SlurryKat Dribble Bar range in a matter of seconds, making it one of the most versatile reelers on the market. As a result, it is a popular choice with both contractors and farmers throughout Europe.







600m Mini - Bak Pak c/w Oroflex Hose



FLEXIBLE PIPELINE HANDLING SYSTEMS

A system for every operation

When it comes to fertiliser planning with liquid manures, farmers need a fast, efficient service that allows them to accurately know what has gone on to the soil. SlurryKat's Flexible Pipeline Handling Systems are key to meeting this need.

We are specialists in flexible umbilical pipeline pumping systems for the application of slurry/manure. Over the years, we have engineered an unparalleled range of front and rear mounted pipeline handling systems, designed to facilitate the pumping of liquid manure from storage facilities (lagoon or tank) to our tractor-mounted applicator units.

As our customers world-wide will confirm, the umbilical pipeline method offers numerous advantages over the traditional use of tankers, including:

- « Substantially improved work rates, typically 300m³/hour (dependant on spreading equipment).
- « Dramatic reduction in field soil compaction.
- « Elimination of damage to field access areas.
- « Less mud carried onto access roads.



*Model Shown 1200m
Mounted Reeler*

Internal Testing 1

Internal Testing 2

HOSE REELERS

STANDARD REAR MOUNTED HOSE REELERS

*Layflat hose handling
for Slurry & Irrigation
applications*

Models available

- « 1000m
- « 1200m
- « 1400m

Options for 4", 5", 6" & 8" hoses

3 point Linkage or A Frame options

PREMIUM PLUS™ FRONT MOUNTED HOSE REELERS

*More reach means
more delivery*



FR1000m double drive model



600m Model



800m Model



1000m Model



Optional bolt in section available on all models and sizes



Optional quick attach galvanised
adaptable A-Frame



FRONT MOUNTED HOSE REELERS

The high work rates available from SlurryKat dribble bar systems can be maintained and enhanced through the use of our wide range of front mounted reelers. Lightweight, yet robust, they enable the operator to carry more layflat hose on the system without adding any extra weight to the rear of the tractor.

Hose carrying capacity can be increased by up to 1400 metres, which means that with SlurryKat, you have access to one of the highest capacity hose carrying systems on the market.

All reeler models are available open section/random wrap. Optional 'bolt-in' sections can be fitted to all models enabling divisions in the reeler to meet individual requirements.

WHEN FRONT GOES REAR...

Alternative Reeling Solutions

The versatility of SlurryKat front reeler range means that a standard front reeler can also be collected onto the rear of the Premium Plus Dribble bar range.

Our innovative Lift & Drive system is further enhanced so that all reelers in the premium range can be lifted by the premium spreading equipment range.

There are two options whereby the front reeler can be used in the Lift & Drive low line way - dropping the reeler off before spreading, or using the high level adaptor frame and leaving the reeler on all the time while spreading to offer a similar system to the combi (page 41).



**800m reelers front & rear –
1600 metre hose capacity**





800m Reeler mounted on 12m Dribble Bar

DROP OUT HOSE REELERS

Carry multiple hose spools and easily drop off the empty spools

To unhitch the spool there is just one pin for the operator to remove after the tractor's linkage has been lowered to the ground.

The tractor can then be driven out of the spool and go on to collect the next unit. No hydraulic hoses or complicated fixings have to be adjusted or removed when detaching this reel.

There is a standard specification reel available with a galvanised spool on a painted chassis available in three point linkage or A frame styles. The reel is powered by a protected heavy duty Danfoss hydraulic system.

Reel holds 1000m capacity with divided or open sections models made to the customers requirements.





HOSE REELERS



TRAILED REELERS

Long & reliable operation

If you are a contractor offering long distance slurry/manure handling, then it is likely that you will frequently operate in environments that require more than 1000 metres of hose. SlurryKat Trailed Reelers keep slurry/manure flowing in this type of situation, and take the hard work out of hose laying and retrieval.

Highly mobile and robust, all of our rigorously engineered trailed reelers are fitted with flotation tyres, mudguards, road lighting, rear hose roller guide and variable speed hydraulics. These features ensure that they deliver maximum efficiency and long maintenance-free service life.

Models are available from 1000-2400 metres.

All reeler models available open section/random wrap.





HOSE REELERS

2400m capacity
open section





Oroflex 20 pipeline
5" to 4" SK coupling adaptor







When only the best will do

We strive for engineering excellence in everything we do, so when it comes to selecting our partners and suppliers, we only choose companies that share our commitment to delivering the best. That is why we recommend the use of DODA pumps with our systems.

We enjoy an excellent relationship with DODA. It has been built on years of practical experience and testing; and it combines our vast farm contracting knowledge with DODA's technical prowess in pump development. As a result of this extensive Research & Development, the DODA pumps offered by SlurryKat provide a totally unique specification and performance.





ALL NEW AFI HD35

NEW enhanced features

- « New shaft resists damage from foreign objects
- « New shaft design is now 60% larger & stronger
- « AFI blade is no longer screwed onto the shaft with threads
- « AFI Blade mounted on a splined shaft and retained with a high tensile nut
- « Can be easily removed for service
- « 50% thicker pump body casting giving much longer wear life
- « All wear parts optionally available in special wear resistant Dura-Line steel



Doda L35/Battioni Evo Dual Pump Set



This vacuum/centrifugal pump was developed as a joint collaboration between Doda, Battioni Pagani and SlurryKat. This pump configuration offers one of the best performing pumps on the market. The Battioni Pagani vacuum side of the pump is used to fill the tanker then the gearbox transfers the drive across to the Doda centrifugal side which is used to discharge the tanker at 12 bar/250m³ per hour feeding an umbilical system.

Selective Partners and Suppliers

We strive for engineering excellence in everything we do. So when it comes to selecting our partners and suppliers, we only choose companies that share our commitment to delivering the best. That is why we recommend the use of DODA and Battioni Pagani pumps with our systems.

We enjoy an excellent relationship with these companies. It has been built on years of practical experience and testing; and it combines our vast farm contracting knowledge and technical prowess in pump development. As a result of this extensive Research & Development, the pumps offered by SlurryKat provide a totally unique specification and performance.

Prolonged and technically demanding use by our slurry contracts division has proven that DODA pumps offer the following advantages and benefits:

- « Operate effectively and are robust and economic to maintain.
- « Are amongst the most efficient pumps available today, delivering an excellent ratio of slurry/manure pumped to fuel consumption.
- « Unique Stone / Debris Protection System.
- « 35% more fuel efficient as it can be run at lower revs and still achieve a phenomenal output.
- « DODA operates at 18 Bar pressure*, making it one of the highest pressure pumps available.



- « Simple to service, repair and maintain.
- « High resale value and low running costs.
- « Mechanical seal totally separate from the gearbox, which eliminates any gearbox contamination if mechanical seal fails due to dry running.
- « DODA parts are on average 70% less expensive than the nearest competitor.
- « All DODA parts are widely available from SlurryKat and our extensive dealer network.
- « DODA has a superior chopping system that very rarely blocks and is trouble free.
- « Unique oil cooling system keeps gearbox cool even in heaviest and prolonged conditions.
- « DODA gear oil is also filtered for long gearbox life in circulation of the cone.
- « DODA primes first time, every time.
- « Pumps thicker slurry/manure than any other agricultural centrifugal pump on the market.

*Performance may be adversely affected by conditions such as slurry type, viscosity, suction lift, delivery pipe work and hydrostatic head.

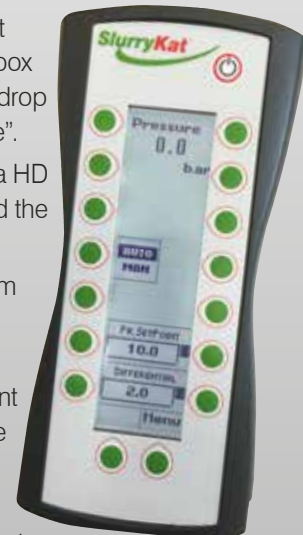
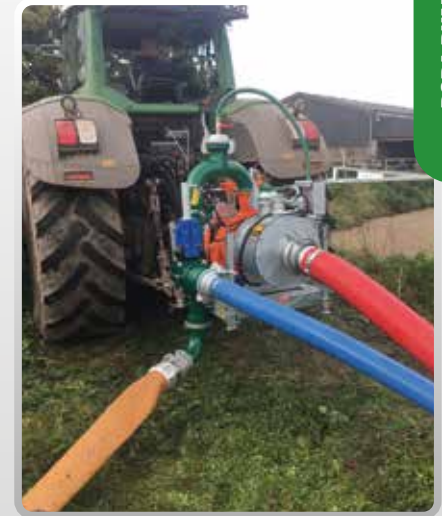


HD35 Pump in Operation

UMBILICAL HEADLAND MANAGEMENT SYSTEM

Exclusive SlurryKat Headland Management and Burst Protection

- « This unique system allows the operator of the umbilical system in the spreading field to stop flow to the applicator completely by closing the gate valve on the spread for an unlimited period of time with no risk of bursts in the hose or a failure anywhere in the pipeline, provided the pipeline and couplings are in suitable working condition.
- « This is all done fully automatically by the umbilical pump, there is restricted return to the slurry tank which means that there is no risk of “hydraulic shock” on the pump impeller or gearbox which can cause fatal damage to the pump if a sudden pressure drop is experienced and also cause the pump to lose its suction “prime”.
- « This system is totally self-powered from the hydraulics of the Doda HD pumps own oil gearbox cooling system which is totally unique and the only such self-powered system on the market.
- « The pressure system is totally automatic and requires no input from the operator once it has been set up on the job.
- « Pressure and parameter settings are fully and easily adjustable at the touch of a button from the control box in the cab to suit different types of slurry and also as the slurry characteristics change as the tank or lagoon is emptied with the pump.
- « This therefore means that headland turns now are no longer an issue with over dosing of slurry which can lead to crop damage and an unpleasant mess on the field headlands.
- « Another feature is an inbuilt function that protects against a major pollution incident. If a burst was to occur in the umbilical pipeline, the system will automatically stop slurry flow to the pipeline.



DODA PUMPS

The four different chopper pump models available in the SlurryKat range have the following characteristics:

L27

Good all-round performance, high pressure 14 bar up to 150m³/hr

L35

Higher flow rate, 12 bar up to 240 m³/hr

HD35

High pressure, high flow rates, stone/debris trap, oil cooling system 18 bar up to 350m³/hr

HD45

High flow rates, 10 bar up to 660m³/hr

**Pedestal & IV Engine Driven Pumps available on request*



L27



L35



HD35

ELECTRIC PUMP SETS

As well as PTO & Engine driven pumps and with a drive for a cleaner environment, we offer a full range of vertical & horizontal pumping stations for farm and Biogas plants for mixing, transfer and umbilical spreading applications.

Options available from 15KW to 200KW, full turnkey solutions including controls systems with variable speed control (VSD), headland management systems, auto priming and more.



*Doda AFI L35 160KW motor
c/w headland management system*



SKORPION UMBILICAL PUMP SET

*Ground breaking new innovation
from SlurryKat*

Specifically built to facilitate emptying of 18m/60ft deep lagoons feeding umbilical systems. Included is a Doda AFI HD45 Pump, cooled gearbox using the slurry, 8" submersible hydraulic pump on the bottom of the scorpion for force feeding the Doda 45.

Fully automatic folding/unfolding into working position and can be set up from transport position to pumping in less than 2 minutes.

Transport position is adjustable to suit different tractor sizes and height is around 4 metres in transport position depending on the tractor. Flow rates from the unit are up to 740 m³ per hour and it can be made to suit lagoons of any depth and a smaller version is available for AFI 35 HD pumps!

**An additional 6m suction line can be added to the standard configuration to increase depth.*





DODA PUMPS





LAYFLAT FLEXIBLE PIPELINES

Superior hoses

Our pipelines are used across a range of demanding environments, from the baking heat of continental Europe, to the freezing plains of Siberia. Our customers need pipelines that will withstand all the rigours of temperature and terrain and that is why we recommend the use of Oroflex hoses on all our systems.

Oroflex pipeline has been subjected to thorough testing by our contracts division and has proven to be consistently durable, practical and reliable.

For further peace of mind, all our Oroflex Pipelines come with a unique 5-year warranty against manufacturing defects as standard.



OROFLEX 20 SK FOR SLUDGE/SLURRY & IRRIGATION

Oroflex 20, a hose often copied but never bettered. The most popular hose used by contractors in the UK and Ireland. Oroflex gives many years of reliable service in many demanding applications across the globe.

Stocked in a wide variety of sizes and lengths, Oroflex continues to be the innovative market leader in slurry, irrigation and water transfer worldwide.

Diameter		Average Burst Pressure	Average Weight	Average Tensile Strength*	Average Wall Thickness	Average Bend Radius
inch	mm	bar	kg/m	kg	mm	mm
4	102	52	1.3	15,100	3.5	1,600
5	127	52	1.9	18,200	4.0	1,800
5.5	140	50	2.0	20,180	4.0	1,950
6	152	47	2.45	25,340	4.2	2,000
8	203	47	3.3	27,460	4.3	2,500

Other sizes available. Pressure data given is for water media. Air applications have a lower pressure rating. Please consult with sales office for exact air pressure data.

Specification:

- « For use on all slurry systems, supplied in 200m lengths standard
- « Assemblies made to order with couplings and repair sleeves fitted
- « Fully complies to BS 6391

Features:

- « Non-conductive rubber
- « Can be used with repair sleeves for extra long service life.
- « Ribbed cover for maximum resistance



SLURRYKAT POLYURETHANE (PU) FOR SLUDGE/SLURRY

High pressure layflat hose specifically designed as a drag hose in sludge and slurry applications. The hose is made from a tough polyurethane rubber and is designed to work in tough, abrasive environments.

Diameter		Average Burst Pressure	Average Weight	Average Tensile Strength*	Average Wall Thickness	Average Bend Radius
inch	mm	bar	kg/m	kg	mm	mm
4	102	47	1.3	15,100	3.5	1,600
5	127	47	1.7	18,200	3.7	1,800
5.5	140	40	1.75	20,180	3.7	1,950
6	152	30	2.1	25,340	3.8	2,000
8	203	30	2.7	27,460	4.1	2,500

Specification:

- « Materials approved to NSF61 and KTW
- « Exceeds WRAS standards
- « Standard in 200m coils
- « Available up to 400m lengths
- « Suitable for potable water pumping applications

DRAG HOSE SWIVEL COUPLINGS

Exclusively designed and manufactured by SlurryKat.

- « Manufactured from 316 grade stainless steel
- « Totally unique in design and operation use
- « Easily connected and disconnected completely safely even under full pressure
- « Working pressure up to 25 bar/375 psi
- « Swivels 360 degrees continually even when being dragged under tension and under pressure
- « Unrivalled tension end pull force for 48,500 kgs
- « Can be connected at either end using male/female adaptor allowing the hose to be rolled onto the reeler from any end
- « Lifetime warranty*
- « Can be easily removed or joined to the hose in the field without specialist banding tools etc.
- « Connection closure ring is fully stainless steel also and requires no tools to connect or disconnect even under pressure unlike other couplings which require spanners to open
- « Fully safe to open when pressurised as clamping ring is not affected by pressure in the hose and can be pulled and separated from the safety of the tractor seat using the tractor and the hose reeler
- « No other coupling can offer ALL these benefits to the user of an umbilical system
- « Can be fitted to any brand lay-flat hose on the market
- « Sizes available 3" 4" 5" 6" and 8"

This coupling and its design/concept are fully protected with registered design and registered Patent design protection rights.

*T&Cs apply

ADAPTORS

All SlurryKat couplings can be matched to any other brand of coupling.

The stainless steel couplings can be connected male/male or female/female so each end of the hose can be connected in whatever configuration is required.

We can also bespoke manufacture coupling adaptors to your specific application.





FLOWMETER SYSTEMS

FIF System

- « SlurryKat (Flowmeter in Frame) System
- « SlurryKat Icon Handset for mounting in frame or on the spreader
- « Functions include:
 - « M3 Job Total
 - « M3 Flow Rate
 - « Job Clock Timer for job time recording

We can also integrate all hydraulic control functions into the SlurryKat Handset in the tractor cab. This means the operator can choose between the flow control or hydraulic control pages at the touch of a screen.





Umbilical Spreader Monitor System

Optiflux Flow Metering System used with GPS Speed Sensor or 7 Pin ISOBUS Lead to obtain forward ground speed. This unique system tells the operator what forward speed they need to drive at, in order to achieve their desired application rate.

Digital Icon Cab Display with field data logging software to include:

- « Cubic metres total
- « Cubic metres per hectare
- « Cubic metres per hour
- « Area covered during the spreading process
- « Pause function included on all functions
- « Dual job timer functions
- « Job timed in spreading motion
- « Job timed for all operations e.g. from start to finish even for reeling/unreeling for Invoice purposes in contracting uses field job saving options
- « Customer name/details (Up to 100)
- « Individual field name/numbers (100 per customer)
- « Individual/multiple tractors
- « Individual/multiple operators

All data is downloaded from the unit with USB pen full reports generated in PDF form for printing hard paper copies from PC or laptop computer.

This system can also be configured with Auto Steer or a GPS guidance system.



Secondary Integrated Hydraulic Control Screen View

SKIARC

SlurryKat Intelligent Application Rate Control

Demands on modern farming are ever increasing every year that passes. With over 20 years of slurry application experience on various types of crops, SlurryKat are at the forefront of this new cutting edge technology.

With this unique technology developed, it is possible to apply slurry with ease and with precision accuracy.

On slurry tanker applications the operator can pre-set a required application rate on the on board computer and the tanker will intelligently apply that set rate. If the operator increases or decreases the forward speed, the system will automatically adjust the application rate.

When used on an umbilical system, the operational parameters are completely different and more challenging. In this application, slurry is pumped through an umbilical pipeline, flowrate can vary and is determined by the length of the pipeline, capacity of the centrifugal pump and the dry matter of the slurry.

With prolonged testing in our Agri-Contracting division we overcame the challenges and found a totally unique solution.


Again, like the tanker application of this system, a pre-set rate can be applied and the system adjusts the flow rate to match any changes in forward speed or flow through the pipeline completely automatically.

Both of the two SKIARC applications can of course be linked with GPS Auto Track/Auto Steer systems.

The system has demonstrated impressive accuracy rates of 98-99%.



INCORPORATING NIR NUTRIENT MANAGEMENT SENSORS FROM JOHN DEERE



SITE-SPECIFIC APPLICATION

- Target rate based on kg/ha N, P, K, NH₄, or volume
- Limit rate for second ingredient

TRACTOR-IMPLEMENT AUTOMATION

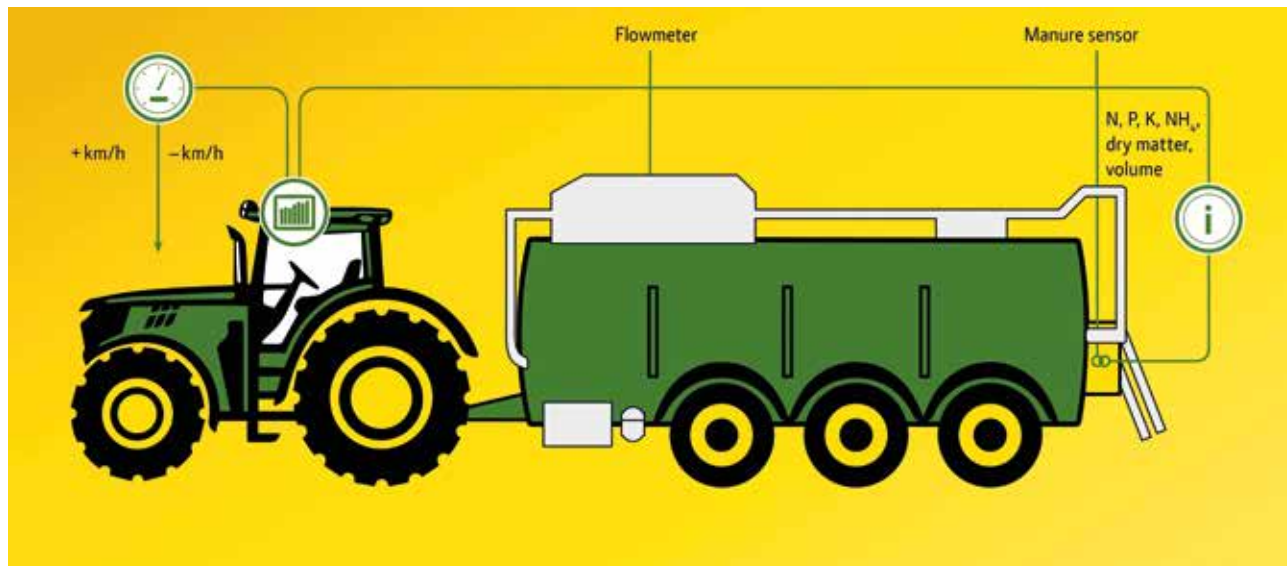
- Automatic speed adjustment with John Deere tractors
- Manual speed adjustment with non-John Deere tractors

DOCUMENTATION

- Applied volume
- Applied amounts of nutrients

EASY ACCESS TO COLLECTED DATA

- Nutrient maps easily accessible in the Operations Centre on MyJohnDeere.com



HIGH PERFORMANCE PROPELLOR MIXING SYSTEMS FOR LARGE LAGOONS

Unrivalled performance and capability

Our mixing systems are built in direct response to customer demand. They are designed to overcome the problems of mixing larger lagoons and to out-perform other mixers in the market by operating more efficiently, more reliably and more quickly.

Our Maxi Slurry Mixer range is a case in point. Smooth in its operation, it handles agitations with ease, even when the lagoon has a thick grass-infested crust. The oil-bathed drive line is totally maintenance free, ensuring many years of trouble-free service; and the propeller offers the correct balance between operational efficiency and minimal power consumption.

All vital parts are manufactured in corrosion free Stainless Steel and we offer various solutions and lengths.

Options available include:

- « 7.5m, 9m & 12m
- « Power inputs from 80-300 HP
- « "Over the Top" tower models up to 8 metres high
- « BioGas digester mixing solutions



Model Shown 7.5m Maxi Mixer



SUBMERSIBLE PUMPS

Built to last

SlurryKat pumps are among the most dependable, long lasting submersible pumps available. Designed for fast liquid transfer, and to handle the most demanding applications, the unique design enables the pump to transfer high dry matter liquids in generous flow rates.

Key features of our submersible pumps include:

- « 3", 4", 5", 6" & 8"
- « Flow rates up to 500m³/hr
- « Various delivery hose lengths and options
- « Available in 100% Stainless Steel construction
- « Hydraulic drive



Models shown with optional foot stand

PREMIUM PLUS™ SUPER TANKERS

Innovation, design & quality

TANKERS



UNIQUE EXPERIENCE, UNIQUE DESIGN, GIVING BIRTH TO THE NUMBER 1 TANKER

With years of extensive contracting experience behind us, we know that farmers need productivity. So our aim is to ensure the profitability and productivity of farms by providing farmers and farm contractors with equipment that is widely considered to be the best on the market.

Slurry/manure tankers play a vital role in helping us to achieve this goal. They come in a range of sizes to meet the needs of small and large farms, and every

slurry tanker, no matter what size, is rigorously tested at our research and development plant.

Our Super Tanker range epitomises our commitment to innovation, design and quality. Specifically designed to incorporate our spreading systems, they operate as a fully integrated and balanced unit, with chassis, tank and spreading technology carefully merged together.



22,500L/5,000G Tri-Axle, Front & Rear Steering





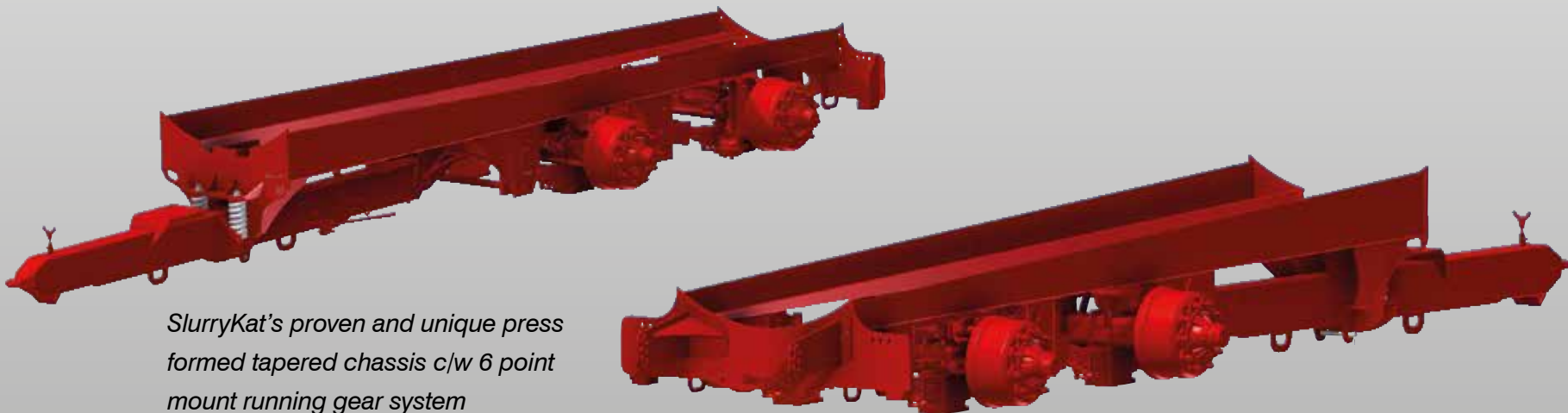
4000G/18m³ on 750/60R26.5 tyres

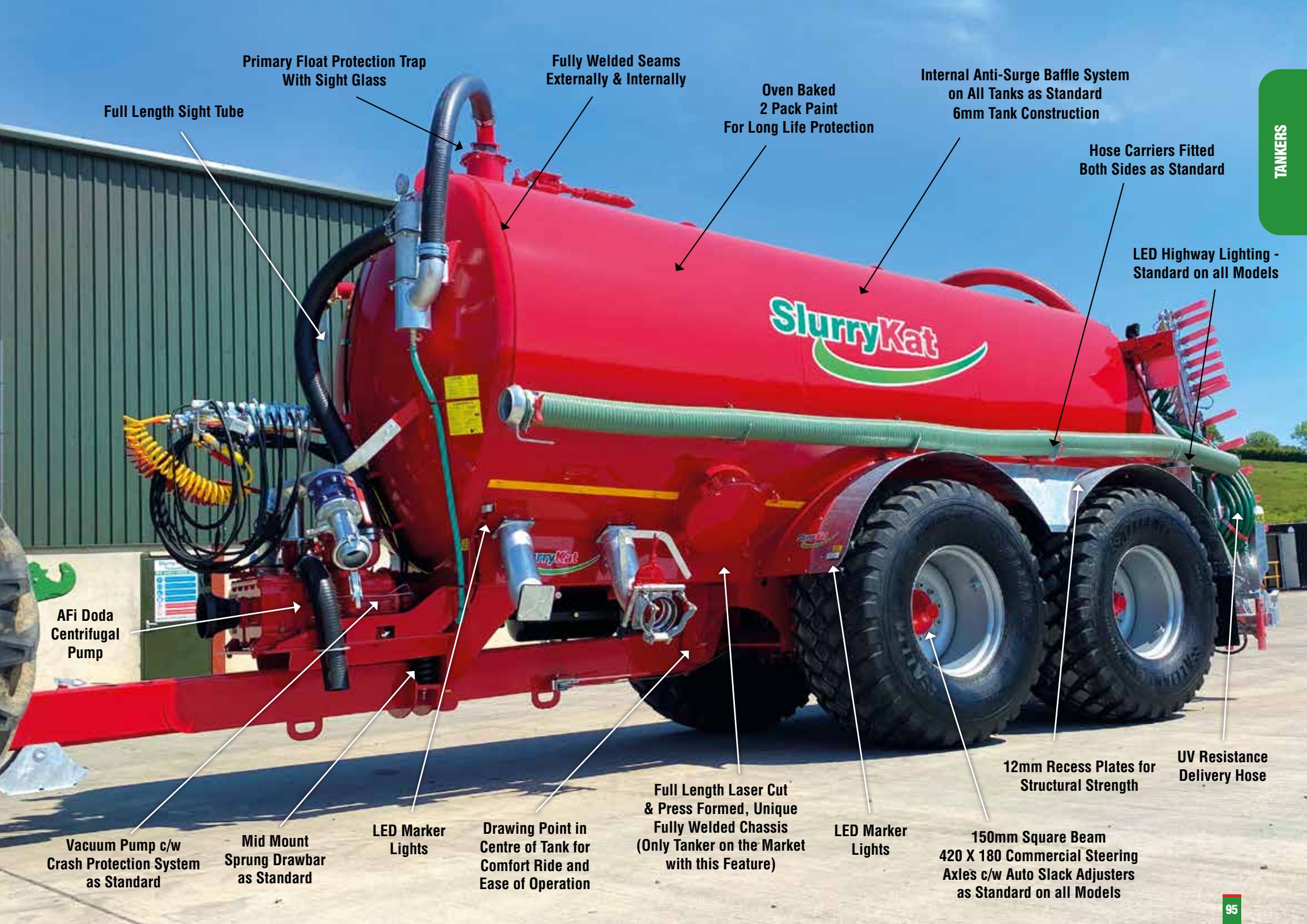


4500G/20m³ on 750/60R30.5 tyres

KEY STANDARD FEATURES ON ALL SLURRYKAT PREMIUM PLUS™ TANKERS

- « Laser cut, press formed tapered equilibrium chassis system
- « 6mm high tensile s355 special grade steel tank construction
- « All seams fully synergic welded internal and externally
- « Unique anti-surge internal baffle system fully welded
- « 150mm square beam super heavy duty commercial spec
16 tonne axles 10 stud 105kph
- « 420x180 's' cam hydraulic brakes
- « Auto slack adjusters on brakes
- « 34 tonne heavy duty - SlurryKat designed multileaf system
- « PTO shaft with shear bolt protection
- « Tank ends specially manufactured - dished and flanged - internally and externally welded
- « Front mounted full length acrylic sight tube level indicator c/w drain and flushing valve
- « Vacuum pump c/w crash protection system & long life veins
- « Rear low level stone trap c/w discharge to the rear spread plate and bottom outlet
- « Rear spreading equipment ready c/w brackets
- « Hydraulic vac pump change-over
- « Special 2 pack high durability Acrylic gloss coating





Full Length Sight Tube

Primary Float Protection Trap With Sight Glass

Fully Welded Seams Externally & Internally

Oven Baked 2 Pack Paint For Long Life Protection

Internal Anti-Surge Baffle System on All Tanks as Standard 6mm Tank Construction

Hose Carriers Fitted Both Sides as Standard

LED Highway Lighting - Standard on all Models

AFi Doda Centrifugal Pump

Vacuum Pump c/w Crash Protection System as Standard

Mid Mount Sprung Drawbar as Standard

LED Marker Lights

Drawing Point in Centre of Tank for Comfort Ride and Ease of Operation

Full Length Laser Cut & Press Formed, Unique Fully Welded Chassis (Only Tanker on the Market with this Feature)

LED Marker Lights

150mm Square Beam 420 X 180 Commercial Steering Axles c/w Auto Slack Adjusters as Standard on all Models

12mm Recess Plates for Structural Strength

UV Resistance Delivery Hose





3500G/16m³ PremiumPlus™
Tanker on 710/50R26.5
High Speed Flotation tyres



SK Hi-Flow Inlet Chopping System



Battioni Pagani 16500
Hydraulic drive vac pump







TANKERS WITH SPREADING EQUIPMENT

Award-winning design and technology

Our aim is to help farmers achieve and sustain profitability and productivity by offering them what are regarded as the best tankers and spreading technology on the market.

The award-winning SlurryKat Super Tanker range is specifically designed to incorporate our spreading equipment. This means they offer smooth and balanced road transport, coupled with optimum field performance from the SlurryKat spreading technology equipment mounted to the rear of the tanker.

TANKERS WITH DRIBBLE BARS

A unique state of balance

On its own, a slurry tanker is a valuable piece of farm equipment. But when merged with a SlurryKat spreading system, it is transformed into a dynamic and highly efficient means of delivering exactly the right amount of nitrogen-rich manure to a precise point on the ground. For the farmer, this means higher productivity and lower costs.

Our Super Tanker range is specifically designed to incorporate our spreading systems. This means they operate as a fully integrated and balanced unit, with chassis, tank and spreading technology carefully merged together.

The result is smooth and balanced road transport, coupled with optimum field performance from the SlurryKat spreading technology equipment mounted to the rear of the tanker.



3500G/16m³ Tanker c/w 12m Duo Dribble Bar,
sliding top fill hatch



12,500L/2,750G c/w 9.0m Farmline Dribble Bar

TANKERS



2750G/12.5m³ on 800/65R32 tyres
c/w 9.0m Farline Dribble Bar



FARMLINE DRIBBLE BARS

Efficient Spreading of Slurry

SlurryKat's new range of budget dribble bars allow farmers to fit these to their existing tanker or use as a complete new tanker and dribble bar unit.

Features of the new Farmline dribble bar range demonstrate the usual high manufacturing quality expected from SlurryKat.

Models available are popular 7.5, 9 & 10 metre working widths.

Other innovative features include crash protection system on the booms that 'break away' to prevent damage to the side booms if they accidentally come into contact with a fence or post etc. during operation.



11,000L/2,500G Tanker with 9m Farmline Dribble Bar



TANKERS

- « SlurryKat macerator/distributor
- « Stone/debris trap protection system
- « Hydraulic vertical folding
- « Uv & Urea resistant delivery hoses
- « Can be fitted to tanker without rear hyd linkage (saves costs and unwanted weight)

** can be used on umbilical application by fitting umbilical mounting kit – see page 49*



FARMLINE TRAILING SHOE

SlurryKat's new range of budget Farmline Trailing shoes allow farmers to fit these to their existing tanker or use as a complete new tanker unit. Features of the new Farmline Trailing shoe range demonstrate the usual high manufacturing quality expected from SlurryKat.

Available in 6m, 7.5m & 10m working widths.

- « Can be fitted directly to SlurryKat Premium Plus™ tanker or to any other tanker via Inspection Hatch with hatch mounting kit
- « Optimum 250mm delivery spacing
- « Single macerator distribution head
- « Self-sharpening and self-adjusting blades as std
- « Danfoss hydraulic drive
- « Stone/debris trap protection system
- « Vertical hydraulic folding
- « Uv & Urea resistant delivery hoses
- « Fully galvanised construction

Extras:

- « Splash plate c/w hyd gate valve
- « Swan neck attachment for splash plate

2750G/12.5m³ Tanker
c/w 7.5m Farmline Trailing Shoe





7.5m Trailing Shoe

Trailing Shoe in transport position



Umbilical Adaptor Kit for Farmline Trailing Shoe & Dribble Bars

FERRY TANKERS

*Improving efficiencies,
reducing mess*

SlurryKat Ferry Tankers are designed to stay on the road side, never entering the field at any time. This allows the slurry/manure spreading tanker to remain in the field at all times during the spreading operation, only returning to the ferry tanker for refilling via its hydraulically operated transfer boom, up to 9 metres in length.

This is a highly efficient system. It eliminates many of the problems associated with drawing slurry/manure from the farm to the field, such as:

- « Headland soil compaction, especially around the entrance and exits of fields.
- « High levels of soil dispersal onto roadways from the tractor and tanker tyres.

As the ferry unit remains on roadside, its capacity can be greatly increased to maximise efficiency of the slurry haulage from farm to field. Typical capacities range from 7,500 – 25,000 litres.



18,000L/4,000G Tanker with Over-Hedge Boom







Transfer Boom: fast removal in less than 5 mins using fork pockets for safe handling



TANKERS



DODA PUMPS ON TANKERS WITH DISTRIBUTION ARMS

Roadside manure management

SlurryKat's pumping discharge system includes a DODA horizontal chopper pump for feeding the umbilical system through a fully automatic discharge arm. This allows the operator to pull up at the field entrance and connect onto the SlurryKat's non-return pod that sits on the roadside.

Once connected to the umbilical system in the field, the load is discharged and released and the tanker is on its way for another load in a matter of seconds. With SlurryKat's customisable in-cab technology, the entire process is fully automatic from the safety of the tractor cab.



16,000L/3500G Tanker c/w 12m Duo Dribble bar,
sliding top fill hatch, 8" Auto fill c/w turbo head, 710/R26.5 tyres



3500G/16m³ c/w transfer boom



TANKER ATTACHMENTS & ACCESSORIES

We offer various extras and attachments for our tanker range. Contact a member of our sales team today to discuss the best options for you.

Options available:

- « Galvanising
- « Turbo fill systems
- « Air and oil brakes
- « Doda pumps
- « Rain Guns
- « Overhead discharge booms
- « Internal anti-corrosion coating
- « Flowmeters and GPS systems



8" Autofill
c/w Turbo Head
and Pod



6" Autofill c/w Pod







3500G/16m³ Premium Plus Tanker,
710/R26.5 tyres, 9m Farline dribble bar



PANTERRA TANKERS

A simple efficient approach to slurry handling.

The Panterra tanker is another quality member of the SlurryKat family. Pioneered to offer our less intensive clients a lower specification tanker range while still maintaining vital reputable build quality and reliability - a trait associated with all SlurryKat products. The same high quality components found in the

flagship SlurryKat tanker range are also found in the Panterra range without the other high spec standard engineering features. This means you can own a prestige SlurryKat tanker at less cost, yet still enjoy high residuals, delivering exceptional smoothness and efficiency in the toughest operating conditions with Panterra.

The range comes standard in a highly durable red gloss finish.

Total control, highly durable, less cost.

Models available 7,000 - 20,000 Litres.



VERTICAL MIXING AGITATOR PUMPS

A simple efficient approach to slurry handling.

Slurry mixing performance with the SlurryKat Agitator is unrivalled on the back of many years of R & D testing in our contracting division.

Slurry is delivered from a high efficiency, unique designed impeller. The sweeping design of the impeller housing and its unique strategic liquid delivery design and location means the SlurryKat agitator pump has the most efficient power to output ratio of any other mixing pump on the market.

Connection to the tractor is achieved via a two point linkage c/w quick attach link bar (no top link) which means hooking on, is fast, very easy and can be done without leaving the tractor seat.

Once attached to the tractor, placement into the slurry tank is also done completely from the comfort of the tractor seat. There is no further need to go near the slurry tank after the mixer is sited in the tank.

The machine can be transported with the PTO shaft fully connected which means there is no need to remove the shafts at any time when moving tanks or for road transport. The machine also can be moved into a completely optional compact transport position to give a 2 meter height clearance.



Standard Features of the Proflow

- « 2 point underslung tractor linkage (no top link)
- « Hydraulic vertical depth adjustment of 600mm
- « Hydraulic Horizontal Tilting
- « PTO shaft 1"3/4 6 spline X 1"3/4 6 spline
- « Top fill c/w diverter valve
- « All pipework in 6" diameter
- « Vertical & horizontal adjustment power nozzle
- « Hi Flow special design impeller manufactured from Hi-Tensile wear resistant steel
- « Full length solid 50mm drive line shaft on all models
- « Fully galvanised construction
- « Super high flow design
- « PTO shaft does not have to be removed from tractor when changing between tanks

Options

- « Top fill / Transfer gate valve
- « Full hydraulic control of all functions – power nozzle and diverter valve
- « Fully stainless steel construction for aggressive liquids in Biogas or Industry
- « Hardox abrasion resistant impeller and housing for sand laden slurry lagoons
- « Layflat transfer hose – 5", 6" & 8"
- « Couplings or fittings bespoke manufactured

MAKING LIVESTOCK FEEDING SIMPLE

Shear Grab block cutters to suit tractors, loaders, skid steers

With many years of Contract harvesting experience on farms, we are constantly in contact with livestock farmers, listening to their requests and comments. Feeding livestock is a daily, unforgiving task using shear grab block cutters to remove the ensiled material from a clamp which is usually grass silage or maize. A highly efficient and reliable block cutter can save hundreds of feeding hours over the period of a year when it is performing to the maximum.

Listening to our customers complaints of failures and problems handling and cutting varying types of forage especially when very high dry matters using other makes of block cutters, some also requested that we design and manufacture them a block cutter that could eliminate experienced problems and also give long reliable, low maintenance life.

We offer 2 ranges to suit all applications, FarmCut and ProCut.

- « Manufactured from unique high tensile grade S355 steel and Hardox 450 giving many years of life in this high stress application – more strength less weight
- « Nitox coated rods on Hydraulic cylinders eliminates any corrosion fears that can cause oil seal failures
- « Unique machined Hardox 600 serrated blades that remain razor sharp for 50% longer than standard blades, meaning less maintenance for you
- « Unique extra-long pivot hinge 45mm diameter pins & sleeved bushes 200mm long - double the length of many competitors meaning many years of wear free life as this is a major stress point on all block cutters
- « Widest opening design on the market meaning highest capacity to width ratio available saving you time with less journeys to the clamp
- « SlurryKat designed & manufactured Hardox tines





PROCUT RANGE

- « A deeper higher capacity cutter designed for large intensive livestock and dairy farms
- « 125mm bore hydraulic cylinders
- « Jaw opening 1.05m
- « 30mm Hardox laser cut tines as standard
- « Sizes 1.95m – 2.55m 2 & 3 Hyd cylinder options





FARMCUT RANGE

- « Designed for the smaller less intensive livestock farm
- « 115mm bore hydraulic cylinders
- « Jaw opening 0.85m
- « 30mm Hardox laser cut tines as standard
- « Sizes 1.35m – 1.95m 2 & 3 Hyd cylinder options





MOBILE BUFFER NURSE TANKS

Mobile Nurse tanks can be used for a number of reasons in the spreading and handling of slurry or digestate. At SlurryKat we manufacture various sizes of mobile tanks to suit your individual needs.

These SlurryKat pioneered tanks are extremely effective for umbilical slurry spreading applications where the land is not accessible from the slurry storage source on the farm or the AD plant. This means that the slurry can be transported from

the farm or biogas plant by road haulage trucks or tankers and discharged into the mobile nurse tank.

The tank then acts as a buffer for the umbilical spreading system allows it to continue to spread between the tankers loads arriving at the site. This is particularly important when spreading slurry onto cereal crops where “stops” in the spreading operation can lead to irrecoverable damage to the growing crop.



65m³ model c/w integrated oil cooled Centrifugal Pump (Doda)



45m³ Model c/w Integrated Doda HD35 Pump



Standard features on all tanks

- « Full frame Monocoque construction
- « Press formed side panels for strength
- « Commercial hydraulic lifting braked axle
- « 560/60R22.5 flotation tyres
- « Level indicators front & rear
- « LED road lighting system
- « Front and rear discharge/fill ports with sump system
- « Models available 45m³, 60m³, 80m³, 100m³, 120m³, 150m³, 200m³

Tank Optional Extras

SlurryKat offer many bespoke solutions to make your slurry handling processes run as smoothly as possible, some of these options include:

- « Internal Jet Mixing system
- « Integrated Doda Centrifugal pump
- « Sealed sheeted roof/top
- « Top access hatch with external and internal ladders
- « Venting system
- « Tandem lifting axles
- « Empty protection system (prevents tank from being moved unless empty)
- « Air brakes
- « Internal 2 pack anti-corrosion coating





120m³ Model



65m³ Model



SLURRYKAT TRAILERS

MAKING TRANSPORTATION EASY

*Designed by contractors.
Built by engineers.*

Our farm trailers have evolved from the many years of experience we have gained through our contract division. They embody the high levels of engineering prowess we apply to every product we produce and they are built using the finest quality materials and parts.

The SlurryKat range includes:

- Premium Plus™ Grain and Silage Trailers
- Panterra Grain and Silage Trailers
- Flat Trailers
- Low Loaders
- Dump Trailers
- Multi-Purpose Trailers

Each of these types are designed to fulfil specific niche functions, but they also offer the flexibility of adapting to a wider range of uses.



22ft ProLine silage trailers, 580/65R22.5 Flotation tyres



PREMIUM PLUS™ HALF-PIPE TRAILERS

Our flagship model

Designed specifically for farmers and contractors handling forage crops, the Proline silage trailer is our flagship model, demonstrating previously unseen levels of technical innovation.

Proline's unique design features laser-cut body panels, which means that forces exerted on the body of the trailer are transferred down into the chassis. The chassis has been designed to handle these dynamic energy forces during transport. The result is superb stability and unparalleled ease of movement.

Proline's superior single-tipping cylinder is proven to tip up to 65% faster than conventional designs - wet or dry - and its laser cut body division panel, with clear acrylic cover, means the operator's vision into the trailer during filling is always unimpaired.





PANTERRA SILAGE TRAILERS

The latest hi-tech engineering techniques

The unique design of the Farmline trailer allows it to deliver payloads of between 10 – 14 tonnes with ease. It's single-tipping cylinder, which is proven to be superior to the out-dated twin-ram system, means faster and more stable off-loading: a typical load will tip up to 65% faster than conventional designs.

The Lightweight body formation design, utilising highly accurate laser cut body panels, contributes to the Farmline's superb stability and unparalleled ease of movement.





TRAILERS





14T/18ft Farmline Silage Trailer c/w 560/60R22.5 tyres



FLAT/BALE HANDLING TRAILERS

Light, strong and multifunctional

SlurryKat Flat/Bale trailers are designed to operate in a wide range of environments and to meet a broad spectrum of applications, from round and square bale handling, to potato box transport.

There is no such thing as a standard SlurryKat Flat/Bale Trailer. Each one is bespoke, designed to meet the customer's specific requirements in terms of size and features. However, what they share in common is our use of the latest hi-tech engineering techniques and sheet metal press forming technologies throughout the design and manufacturing.

32ft Flat Bed Trailer with Hydraulic Bale Clamping System





TRAILERS

PREMIUM PLUS™ LOW LOADERS

Low weight means bigger load

The SlurryKat low loader range is suitable for a range of applications, such as excavator/wheel loader transport, bale handling and potato box transport. Although each unit is manufactured to the customer's individual requirements, they typically display a number of SK hallmark features, including:

- « Full length, high tensile RHS box section with cross members
- « High tensile steel chassis
- « Tread plate beaver tail and ramps
- « High spec axles with sprung suspension
- « LED road lighting system





21ft Low Loader Tri-Axle
Model c/w Hyd Ramps



445 Tyres & Rear
Steering Axle



Full Dropping
Beaver Tail

PANTERRA LOW LOADERS

Total control, highly durable, less cost

Panterra Low Loaders are another quality member of the SlurryKat family. Pioneered to offer our less intensive clients a lower specification trailer while still maintaining vital reputable build quality and reliability - a trait associated with all SlurryKat products.

The same high quality components found in the flagship SlurryKat Premium range are also found in the Panterra range without the other high spec standard engineering features. This means you can own a prestige SlurryKat trailer at less cost, yet still enjoy high residuals, delivering exceptional smoothness and efficiency in the toughest operating conditions with Panterra.

- « Sprung heavy duty ramps (700mm wide)
- « I Beam chassis
- « Heavy duty drawbar
- « Heavy duty beaver tail with grip bars fully sheeted
- « Full LED road lights
- « LED number plate holder
- « Heavy duty multi-leaf suspension
- « 215/75R17.5 Tyres
- « 8 stud braked axles, 80kph spec.
- « Hyd/oil brakes



22 Tonne Half-Pipe Dump Trailer



PREMIUM PLUS™ DUMP TRAILERS

These heavy duty half-pipe dump trailers are designed for handling arduous materials such as aggregates, clay, solid manures etc. In order to cope with such rigorous demands, SlurryKat dump trailers are built with a light weight, yet heavy duty 6mm S700 Hardox body as standard with a dropping tail door for an effortless non-stick offloading. The body is totally unique in design boasting a half-pipe to channel formation at the rear for effortless unloading.

A 48T single tipping ram and heavy axles and running gear are also standard.

The trailers come in capacities of 16-30 tonnes.

SILAGE DUMP TRAILERS (SDT)

Make the most of your Premium Plus™ Dump Trailer by adding a customised silage kit c/w hydraulic door. This addition means you can get the most out of your SlurryKat trailer in all conditions, all seasons, 12 months of the year.



Model shown is 22T c/w silage kit, hyd silage door & 710 flotation tyres





While the silage kit (green panels) is fitted to the trailer, the lower dropping door lies flat in an open position and with the turn of a lever valve the oil is then directed to the rear silage doors for silage operations.

Trailers are available with heavy duty multi-leaf sprung suspension or swinging pendulum.

- « 18 - 25 tonnes capacity
Hardox dump body
- « Flotation tyre options
710 R22.5/710 R26.5
- « Central greasing system
- « Full auto-lube system
- « Bespoke colours

**Other sizes & options available on request*







PANTERRA DUMP TRAILERS

Available in 12T & 15T capacities, the Panterra dump trailer is part of the intermediate range, exhibiting a flat floor design with rear dropping door, single tipping cylinder and optional lower beaver trailer with aluminium plant ramps.

A simple yet effective trailer that covers all applications on construction sites and farms.



DROP SIDE TRAILERS

*Total Control, Highly Durable,
Less Cost.*

SlurryKat's drop side trailers, pioneered to offer our less intensive clients a lower specification trailer range while still maintaining vital reputable build quality and reliability - a trait associated with all SlurryKat products.

The same high quality components found in the flagship SlurryKat trailer range are also found in the Drop Side range without the other high spec standard engineering features. This means you can own a prestige SlurryKat trailer at less cost, delivering exceptional smoothness and efficiency in the toughest operating conditions, while still enjoying high residuals.

The range comes standard in a highly durable red gloss finish.



12 Tonne model c/w 550/45R22.5 tyres & optional bale extension



10 Tonne model shown on 500 tyres



Our innovative frameless folded floor body design reduces weight while offering unrivalled strength, compared to any other similar trailers on the market.

The sides of the trailers are laser cut with special strength bones pressed into the side panels. All hinge points are reinforced for strength and are removable to leave a completely flat trailer for transport of bales etc.

Models available 8-14 tonnes in various configurations.

12 & 14 tonne models are available in a heavy duty option for more arduous use.



SLURRYKAT SWEEPING BRUSHES

Keeping your farm clean

The range of SlurryKat sweepers demonstrate various sweeping options from the popular bucket brush to suit tele-handlers and skid steers to the more traditional tractor mounted link-box sweeping system.

Bucket brushes are supplied with the materials bucket which is manufactured in various capacities to suit all handler models. Manufactured from high tensile steel and comes standard with a Hardox wear blade for many years of long maintenance-free life.

The brush is easily detachable in less than a minute leaving the bucket free for other materials handling operations on your farm.

Standard Features include:

- « Inverted Heavy duty hydraulic motor drive allowing you to sweep close to walls
- « Galvanised construction
- « Integrated parking stands
- « Front and rear “clear” anti-splash curtains keeping your vehicle clean
- « Anti-shock protection system on hydraulic motor
- « Highly quality durable brushes for long life
- « Brush material is polypropylene
- « Heavy duty rotor bearings

Options:

- « Widths available 2150mm & 2450mm
- « Bespoke sizes made to customers requirements
- « Water tank & sprinkler for dust suppression
- « Steel wire brushes for industrial applications
- « Side rotary brush for difficult corners



2450 Sweeping Brush and Bucket

SLURRYKAT BUCKETS

The SlurryKat bucket range incorporates several ergonomic features including a rolled radius back which provides unique strength and non-stick performance compared to alternative, outdated folded versions.

The main bodies of the buckets are manufactured from S355JR high tensile 6mm steel, with additional 12mm radius support plates on the rear where the handler brackets are mounted, giving unmatched strength and resilience even on the largest handlers in the toughest applications.

The cutting wear face is high wear-resistant hardox material and is complimented with 12mm under body wear strips for prolonged life.



High capacity model shown with optional bolt on double wear face



Available with attachment brackets to suit all makes of handlers/loaders



BLASTING - A UNIQUE SURFACE PREPARATION

In 2022, SlurryKat installed one of the largest shot blasting rooms in the UK to efficiently blast clean all of the manufactured equipment after the welding process. This provides a superior surface finish prior to the painting process which will ensure the paint adheres unreservedly to the steel and allows us to give a paint guarantee like no other in an industry.



KU3E
Blast Automation

SlurryKat

KUPE

Control panel with buttons and a screen

REDUCING OUR CARBON FOOTPRINT

Generating Our Own Gases

In 2021 we made the bold move to processing all our steel using Nitrogen gas replacing our need for oxygen.

Nitrogen is an environmentally friendly gas which occurs naturally in the air we breathe. We made this major investment in 2021 in a gas generation plant which allows us to produce the gas in-house.

Consequently, this reduces carbon miles through eliminating bulk truck deliveries by road and reducing traffic network to the SlurryKat manufacturing plant.

This system is one of the first of its kind in the UK & Ireland and underlines our commitments to nett carbon zero in the future.





GREEN APPROACHES TO OUR MANUFACTURING

As 100% of the products we manufacture at SlurryKat involve metals, we aim to use the highest quality steel from steel mills where environmental responsibilities are a priority.

We use mills that are closest to our production in the UK and western Europe to reduce the carbon footprint

with minimum shipping miles for the material until it arrives at our production facility in Northern Ireland.

Then we focus on the most efficient methods to process the steel in our plant using 100% automation for fibre laser cutting all our sheet metal, saving time, energy and therefore reducing carbon emissions.

SLURRYKAT GENUINE PARTS SERVICE

You can rest assured, only SlurryKat genuine parts are used on your equipment.

No hidden costs: We believe strongly in transparency when it comes to our prices. For added peace-of-mind, we will provide a quotation before work commences, and we will consult with you if any additional work on your equipment is needed when it is with us. We will not perform additional work without asking your permission first.

Our dedicated spare parts counter means that all parts are only a phone call or an email away.

With our DHL logistics partner we can get parts delivered on a next day basis almost anywhere globally.



BEHIND THE SCENES TOURS

Ever wanted to discover how your SlurryKat was built? To see the incredible journey on which all SlurryKat products travel before you receive them? You can experience how it is created using cutting edge manufacturing technologies and the finest materials and components.

From on demand parts ordering system to final pre delivery inspections and quality tests, the entire process will come to life before your eyes during one of our tours.

You can also see the equipment working at one of our demonstration events.

**contact your nearest dealer to arrange a visit to SlurryKat*





SlurryKat

SlurryKat

Deep Mix & Pump Testing

EQUIPMENT WITHOUT LIMITS

SlurryKat Head Office & Manufacturing

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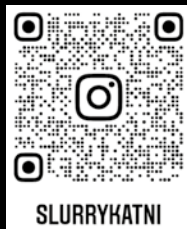
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