



LIQUID & SOLID SPREADING

# PROVIDE YOU WITH **THE BEST**

**A**t Pichon, it has always been our aim to provide you a service of high quality, along with robust and high performance products. Today, we can offer you a wide range of spreading solutions for agriculture. Muck spreaders, slurry tankers, drip hose booms, incorporators, injectors and more.

We design, manufacture and market all of our products.

Our ambition is to help you develop your performance and productivity thanks to our technical innovations. We want to contribute to a strong and sustainable agriculture by your side. Whatever you need, you'll find the right solution with us. We pay close attention to the optimum use of organic fertilisers in strict accordance with environment and nature.



# OUR VALUES

## THE MINDSET OF SERVICE

*Focused on our customers*

We make a point of honour to meet all our customers' requirements. We are committed to finding the right solution(s) that suit(s) you best !

## ROBUSTNESS

*Built to last*

We manufacture robust and high quality equipment with reliability and longevity at the core of every machine we produce. This is not just a commitment, it's a promise !

## TECHNICAL KNOWLEDGES

*Always more performant for you*

Our agricultural roots are reflected throughout our willingness to innovate. We are constantly increasing the performance of our equipments thanks to advanced R&D work.



Pichon, a member of the Danish group Samson Agro, has been specialising since 1970 in manufacturing slurry and muck spreading equipment.

It is an international company, now present in over 50 countries around the world.



# BUILDING THE FUTURE

## YOU NEED PRECISION

The agriculture of tomorrow needs to combine soil conservation and high yields. To achieve this, you need precision and efficiency. With this in mind, we manufacture and market slurry tankers and muck spreaders for precision farming, designed to take the best value out of liquid and solid organic fertilisers. We have been constantly innovating since the 1970s and we contribute to sustainable farming. We use the most modern and efficient production methods to reduce our impact on the environment.

## MANUFACTURING PROCESS FROM A TO Z

We are able to provide a high level of quality for our products thanks to the control of all the stages of the production process. We have invested in one of the most modern factories in Europe at Landivisiau, in Brittany (22 000 m<sup>2</sup>). Alongside our factory in Poland, we have two high-performance production facilities which enable us to guarantee the quality of every single machine we manufacture for you.

## OUR KNOWLEDGE AT YOUR SERVICE

Sales representatives, design engineers, boilermakers, mechanics, technicians and more... Our multi-skilled team is both highly efficient and quick to act. We all have one thing in common: no compromise on quality and customer satisfaction!



# OUR SERVICES MAKE THE DIFFERENCE

## **COMMERCIAL NETWORK AT YOUR DISPOSAL**

Our commercial team is available for you to meet all your demands. They are in direct contact with our dealers and importers in France and in 50 countries around the world.

## **DESIGN OFFICE FOCUSED ON PERFORMANCE**

Our design office has a staff of twelve people. They are the link between you and our production sites. They produce plans and 3D drawings for your future Pichon machines.

## **FAST-REACTING AFTER SALES DEPARTMENT**

Our after sales department is full of knowledge and fast to react. Our objective: to provide a clear and customised answer to your requests as quickly as possible.

## **OUR COMMITMENT FOR SPARE PARTS**

Our huge stock of spare parts enables us to supply our distribution network very quickly at any time and anywhere around the world.



# AWAKEN THE VALUE OF YOUR LIQUID ORGANIC FERTILISERS

Reduce easily your fertilisers costs: your farming effluents are good as gold!

Make your life easier by using the resources from your farming activities.

Spreading organic liquid fertiliser is the perfect combination between efficiency and quick savings. Delivering organic waste to the soil will naturally speed up the growth of your crops thanks to its high nutrients content.

Our philosophy is to adapt our machine to meet your needs. Your daily work is changing, so is ours. We challenge ourselves every day by developing and designing high performance tools to take the most out of your organic fertilisers. Precision spreading is now our priority.

Our history and our roots confirm our knowledge, strengthening our worldwide reputation every day.

**Your requirements of tomorrow are our ambitions of today.**

# LIQUID SPREADING



1 - TCI range 8

2 - Slurry mixers 13

3 - Filling solutions 15

4 - Emptying solutions 16

5 - Eco-spreading certification 17

6 - Drip hose booms 18

7 - Injectors 20

8 - Incorporators 22

9 - In-cab controllers 24

10 - Spreading operations 26



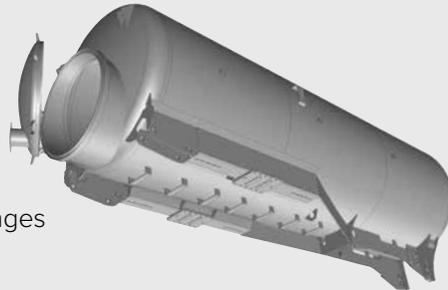
# VERSATILITY AT THE HEART OF YOUR SPREADING

## UNIQUE SMART DESIGN

The PICHON integrated chassis is our everyday pride. The chassis is welded directly onto the tank, giving you important advantages:

- Lowered centre of gravity
- Optimised tank stability
- Increased safety

Spread all types of slurry with our single-axle, twin-axle and tri-axle TCI ranges (Tank with Chassis Integrated).



## THE TANKER YOU NEED

We have studied and designed each of our models according to your daily constraints. From the smallest model (single axle 3 050 L) to the biggest one (tri-axle 30 000 L), we have a range of capacities to meet all your needs.

**Do you want to put wider and taller wheels on your machine? A recessed version is available.**

The recess depth, which is specific to PICHON slurry tankers, provides you with an **optimum turning circle, without compromising the unique centre of gravity.**



# YOUR COMFORT, OUR PRIORITY



Hydraulic suspension



Hydraulic drawbar and front lifting axle



Emptying downhill

## DRIVE WITH COMPLETE PEACE OF MIND

Optimise manoeuvrability and reduce the wear on your tyres by choosing **free rear steering or forced rear steering axles**.

Drive with complete peace of mind thanks to the **wide choice of axles and suspensions** available (spring or hydraulic).

Spreading on hilly fields and working in extreme conditions is no problem thanks to the use of the **hydraulic suspension on tandem or tri-axle tankers**.

## IMPROVED TRACTION

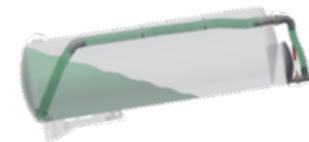
Thanks to their unique design, our drawbars provide perfect transmission of the traction forces to the chassis. **They are available in two versions (spring or hydraulic)**, each one adapted to your machine.

The optional hydraulic version can be tilted so the weight is distributed evenly on all wheels. You will enjoy this high level of comfort, both on the road and in the fields. For road work with a tri-axle tanker, we offer the possibility to add a **front lifting axle** along with hydraulic suspension.

## CHALLENGE GRAVITY

Our **slope ground system** enables you to properly empty the tanker while spreading down the hill.

You can also equip your tanker with our unique **automatic weight transfer system**. It allows weight to be kept at the front of the tanker and therefore giving more grip to the tractor while spreading on uneven ground.



# BUILT TO LAST



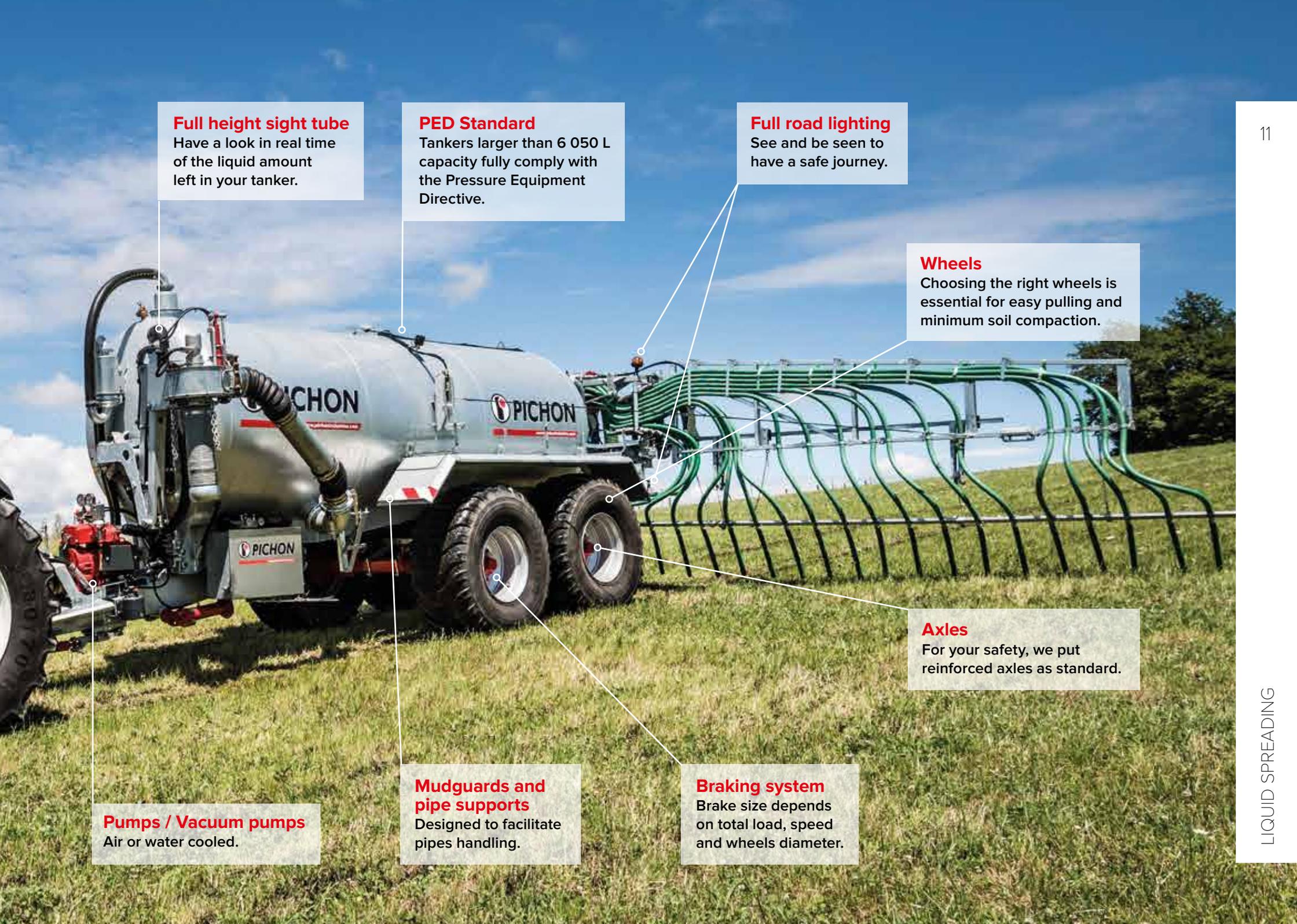
## GUARANTEED LONGEVITY

All the tankers in the TCI range are fully galvanised. The interior and exterior are protected, guaranteeing the tanker an increased resistance to time and longer lifespan. **You can customise the colour of your machine with the external paint finish on top of galvanisation (option).**

The tankers are between 5 and 8 mm thick depending on their diameters. **There is no risk of damage to your tanker during the sequences of air pressure loss.** The TCI range is designed to work intensively on a daily basis and in difficult conditions.

## GUARANTEED QUALITY

Our tankers and chassis have a 5 year warranty against any premature damage under normal conditions of use of the machine. From design to production, we control and manage each step of our manufacturing process. The reliability of our equipment is our priority.



**Full height sight tube**

Have a look in real time of the liquid amount left in your tanker.

**PED Standard**

Tankers larger than 6 050 L capacity fully comply with the Pressure Equipment Directive.

**Full road lighting**

See and be seen to have a safe journey.

**Wheels**

Choosing the right wheels is essential for easy pulling and minimum soil compaction.

**Axles**

For your safety, we put reinforced axles as standard.

**Braking system**

Brake size depends on total load, speed and wheels diameter.

**Mudguards and pipe supports**

Designed to facilitate pipes handling.

**Pumps / Vacuum pumps**

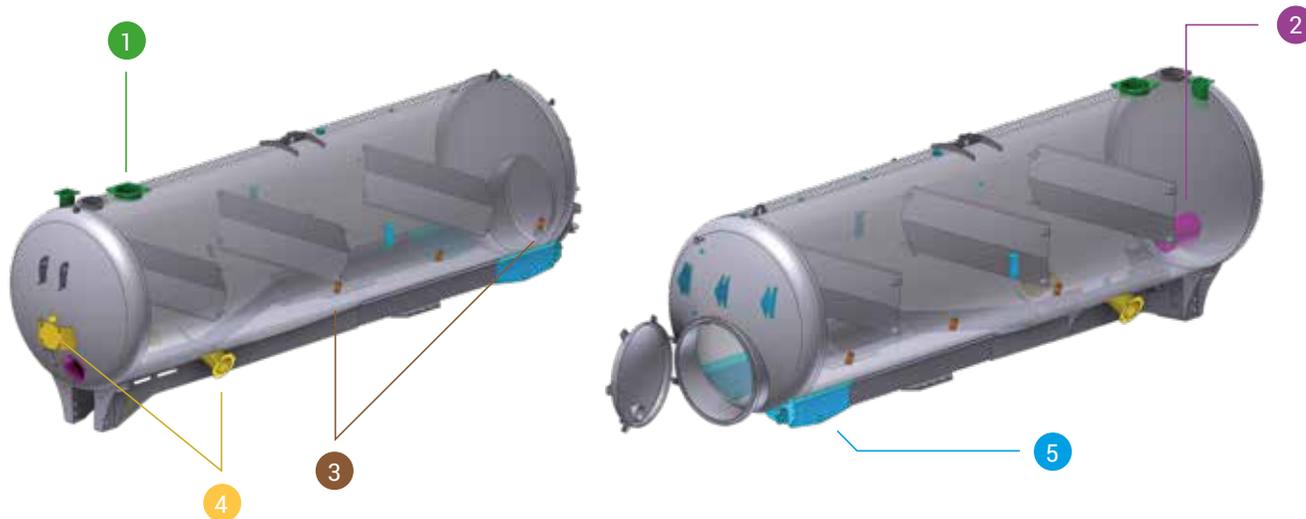
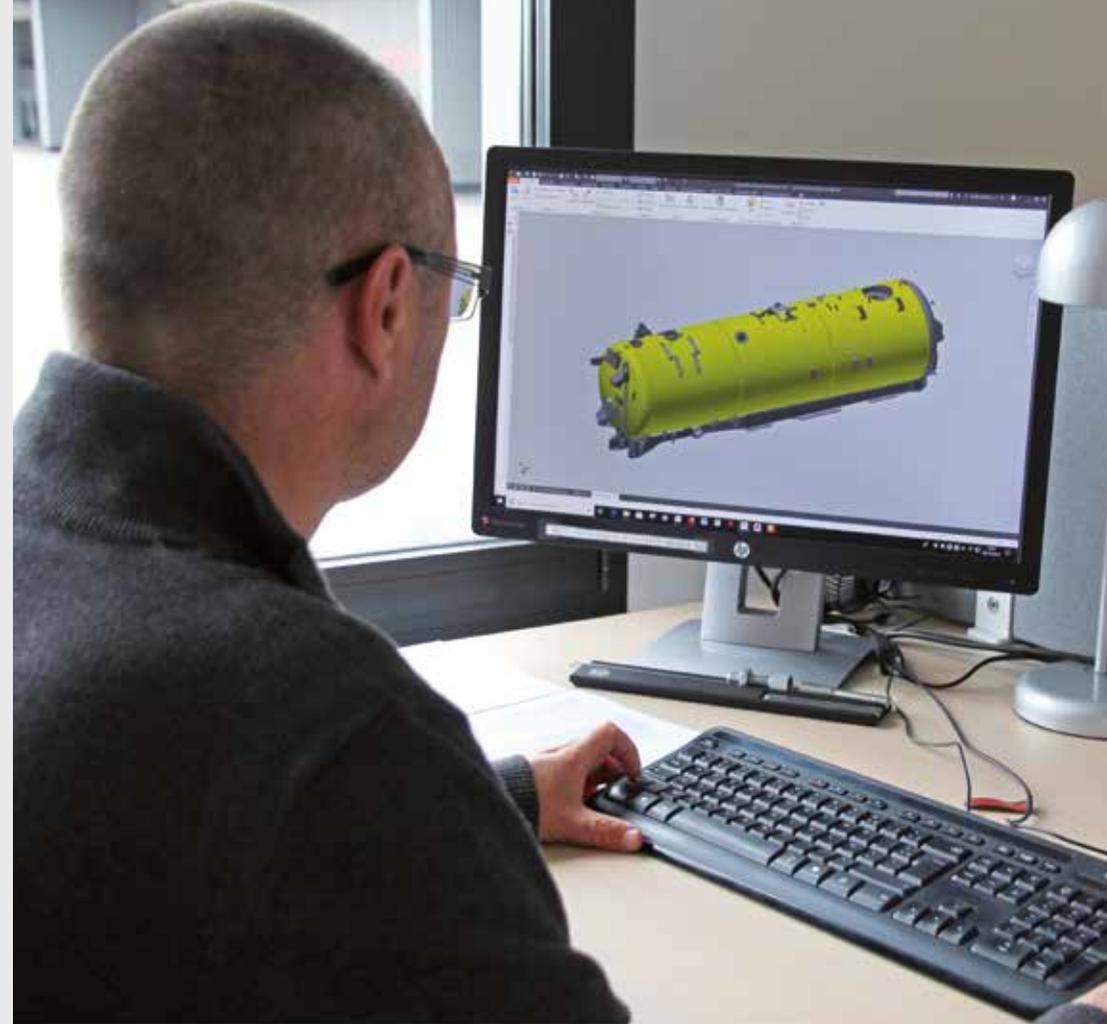
Air or water cooled.

# UPGRADEABLE EQUIPMENTS FOR YOUR FUTURE REQUIREMENTS

## YOUR NEEDS ANTICIPATED

The agricultural world is constantly changing. Therefore, we give specific attention to the evolution of your Pichon equipment. We will build together the machine that will meet your future expectations. Numerous brackets have been designed to allow these improvements:

- Fill faster, save time and better comfort: BP2 Autofiller
- More advanced spreading implement: hydraulic rear linkage
- Mixing of liquid during transport: hydraulic mixer



## OUR BRACKETS

- ① Top filling cone
- ② Hydraulic mixer
- ③ Galvanised mudguards
- ④ BP2 Autofiller Ø150 or Ø200
- ⑤ Semi-rigid hydraulic rear linkage



# STIR YOUR SLURRY MIX YOUR PIT OPTIMISE YOUR FILLING

**No good spreading job without a good mixing job!**

Mixing properly contents of a slurry store makes it easier to spread the liquid evenly and accurately, therefore get the best benefits out of your liquid organic fertilisers. This is why we offer a range of B-MIX slurry mixers.

**From 4.5 to 10.5 m, they can adapt to all types of slurry pits.**

Fully galvanised, their design facilitates maintenance and guarantees longer lifespan.

# THE ULTIMATE MIXER

Depth control of our mixers is operated from your tractor seat by one hydraulic ram. It is equipped with a spiral-shape mixing screw. For perfect mixing and chopping, two sharp blades are attached to the base of the screw and an adjustable counter blade is attached to the end of the chassis. The liquid pit content is mixed efficiently. This design helps to avoid build-up of materials around the main shaft.

## THE STRENGTH OF A NON-DEFORMABLE CHASSIS

The design of the fully galvanised rear unit protects the transmission mechanism and is highly resistant.



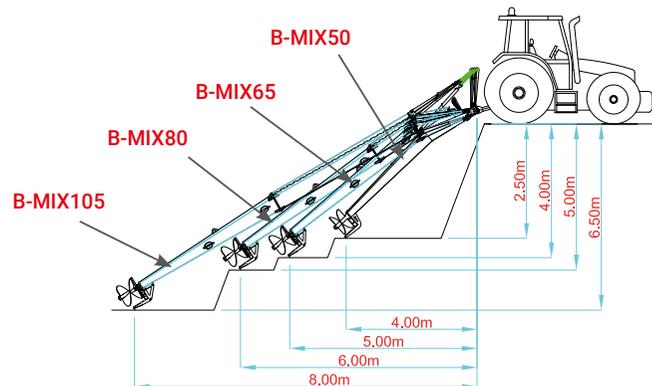
Blades + counter blade



Protection foot



Galvanised protection frame



Before mixing



After mixing

## EASY MAINTENANCE

We have designed your mixer to facilitate its maintenance: centralised greasing is standard from the B-MIX65 model. All the blades and counter blades can be removed and easily changed.

## YOUR MIXER

Our sales team is available to help you choose the right model and size of screw depending on the thickness of liquid to mix and your tractor's horse power. We have also designed your mixer so it can be upgraded as per your requirements. The B-MIX65 model can be extended to 8 and 10.5 metre version.

# FILLING HAS NEVER BEEN EASIER



## CHOOSE SIMPLICITY

The BP2 model pumps the liquid from our static cone. Available in Ø150 and Ø200, it can be used on right or left hand side as it swivels at the front of the tanker. This arm is very simple to use and to maintain. The optional turbo filler decreases your filling time. We advise to have the bracket of the BP2 arm fitted on your machine so it can be easily added at a later date.



## DIRECT ACCESS

Access to any kind of pits thanks to the double hydraulic articulation of the plunger arm. Ø200 as standard and equipped with a reinforced structure, the plunger arm is very robust. Thanks to its articulation-mounted turbo filler, you can deal with the most difficult pumping conditions. You can choose if you want the arm fitted on the right or left hand side.



## UNIVERSAL ARM

Are you looking for versatility? With its 270° arm rotation, the turret arm can be used in all types of slurry stores: pits, towers, containers... It can have an articulation-mounted or submerged turbo filler to optimise filling efficiency. It can also be used to pump from our static cone and discharging through the arm is possible for transfer works.



### Remote controlled valve

Designed for towers and biogas stations, this device keeps your working environment clean. The synchronisation of the 2 valves enables the arm's overflow to be drained into a smaller drain tank.



### Top filling

Fill your tanker from the top with a hydraulic opening top filling cone Ø250 or the hydraulic top hatch Ø400 or Ø600.



### Valves

Simply pump your slurry using a manual or hydraulic valve placed on the front side(s) or on the rear door of the tanker. You can add a turbo filler to it if needed.

# SPREAD WITHOUT LIMITS

## VACUUM PUMP

We offer two types of vacuum pump:

- Classic vacuum pump with vanes and a rotor (air or water cooled)
- Vacuum pump with lobes (air injection cooled)

For intensive work with more than three filling/spreading cycles per hour, we highly recommend the use of a water-cooled vacuum pump. It helps to prevent the pump from warming-up and enables a very intensive use in short periods of time.

## TURBO FEEDER

The Ø200 turbo feeder is ideal for users who are looking for flexibility and maximum productivity. Driven by a hydraulic motor, it takes the stress and efforts out of the pump during the spreading/emptying sequence. The turbo feeder supplies the macerator(s) of the implement to achieve high spreading output and even distribution. This association of the pump and the turbo feeder guarantees performance in the field while spreading thick slurry and raw digestate.

## MECHANICAL EMPTYING

Spreading implement fed by the mechanically-driven centrifugal pump. When the material is difficult to spread, you can combine both pumps to achieve very high output rates. A regulation valve on the circuit enables the excess flow to be returned inside the tanker according to the dose to be spread.



# ECO-FRIENDLY CERTIFICATION

## "ECO-SPREADING" CERTIFIED MACHINES

Our eco-spreading certified machines have successfully passed the various tests carried out by IRSTEA\*. This certification guarantees the user a better performance in terms of even spreading and soil conservation. Eco-spreading certification is intended to maintain the good organic condition and fertility of the soil, a fragile and precious resource for ensuring sustainable agriculture.

## THE REFERENCE CRITERIA

### Regulatory compliance:

- Respect for the highway code, the machine directive, PED, etc.
- Respect for traffic lanes.

### Measured and verified agronomic performance

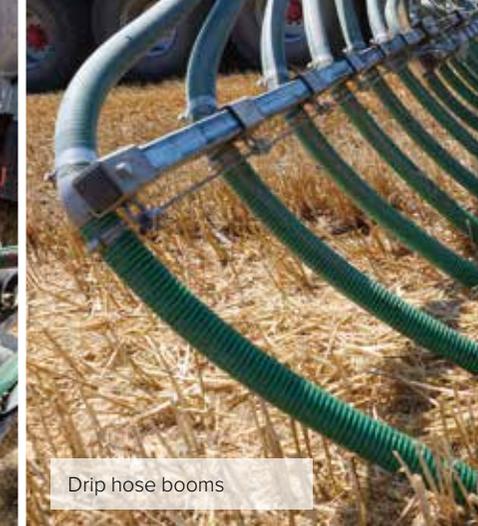
- Respect of dose to be spread,
- Even transverse distribution guaranteed,
- Even lengthwise distribution guaranteed,
- Respect of soil structure.

### Machine operating ergonomoy:

- Start-up by the manufacturer,
- Training offered to purchasers.



Tine incorporators

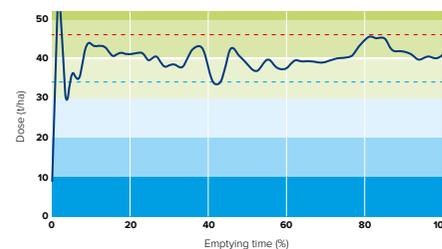


Drip hose booms



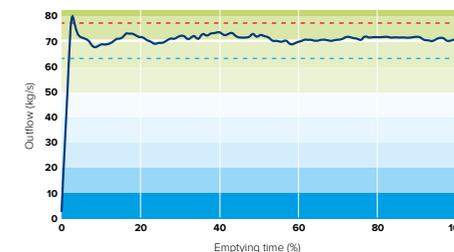
### Lengthwise distribution

at variable speed



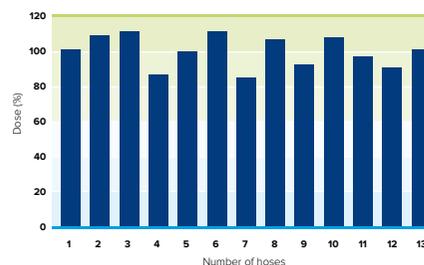
### Lengthwise distribution

at constant speed



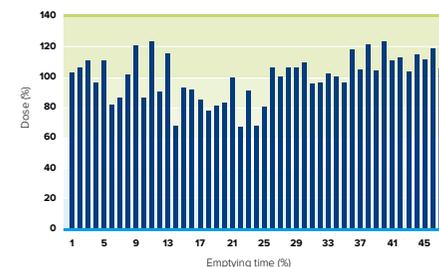
### Transverse distribution

at variable speed



### Transverse distribution

at constant speed





## PRECISION PRODUCTIVITY PERFORMANCE

Using a drip hose boom enables you to properly apply slurry onto soil surface which increases nitrogen's efficiency. Spreading the slurry as close as possible to the crop base significantly reduces smells.

**Spreading liquid organic fertiliser on growing crops at maximum working widths is now possible thanks to our range of standard and telescopic booms.**

# EVEN AND WIDE SPREADING

Placing the hoses ends against the ground surface guarantees you better use of your nitrogen and prevents your crops from getting dirty. The small distance between each hose allows a very uniform volume to be spread on the entire width. Using a drip hose boom significantly reduces nitrogen loss through volatilisation. Use precision spreading implements to apply your organic fertilisers accurately on growing crops.

## SEE THINGS BIGGER

Our drip hose booms have a fully galvanised structure. Standard or telescopic, they range from 9 to 30 metres working width. The vertical macerator(s) enable an even outlet distribution and foreign bodies are caught in the stone trap. In order to respect the ideal dose to be spread and prevent overlapping, we strongly advise part-width section cut-offs that can be customised for your own use.



Semi-width section (optional) - Supply to the right or left hand side of the boom.

# INJECTION PRECISION EFFICIENCY

Thanks to new injection technology, the spreading surfaces are increased. No nitrogen loss, no smells whatsoever, this system is ideal when spreading slurry close to urban areas. **Injecting the organic fertiliser helps to avoid crop contamination, improve crop nutrition and enables the cattle to return more quickly to the fields.**





# ACCURATE SPREADING

## MAXIMUM VERSATILITY

### Opening flat disc injector - width 3 to 7 m

Our EL71 model is ideal for injecting slurry after harvest or on bare soil. It cuts vertically into the ground without any disturbance. The slurry access to the plant's roots is made easier and the plant cover is protected. Crop contamination and nitrogen loss are significantly reduced. The fertiliser's agronomic powers are maximised. The vertical macerator provided as standard guarantees an even outlet distribution. A pair of wheels control the depth injection and stabilise the traction power.

## PRECISION ON GRASSLAND AND HILLY FIELDS

### Trailing shoe - width 9 to 15 m

The liquid organic fertiliser is injected as close as possible to the root in a thin strip. The grass is kept clean and its appetite is preserved. Using trailing shoe for slurry spreading means that the cattle can return to grass fields more quickly. The small space between each shoe associated with the vertical macerator(s) ensure very good outlet distribution. The high-tensile steel springs associated with the passive slope compensation of our chassis guarantees very good following of ground countours.

# INCORPORATE OPTIMISE YOUR NUTRIENTS MAKE SAVINGS

When you incorporate your slurry into the ground, you reduce your impact on the environment. No smell, no nitrogen loss and the air pollution is close to zero.

**The nutrient efficiency of your slurry is maximised.**



# IMPROVE DEEPLY YOUR SOIL

## SPREAD WHILE STUBBLE CULTIVATING

### EL61 tine incorporator - width 3 to 6 m

The strength of this model is without doubt that it can work soil and spread slurry at the same time. This tine incorporator is ideal for deep soil preparation and it is used to restart ploughing and stubble braking. The soil is prepared to accommodate new seeding. This technique optimises the fertiliser's efficiency, without any nitrogen loss via volatilisation or overflowing. The tines are supplied with liquid by the vertical macerator for an optimum transverse distribution.

We offer two types of tines:

#### **Vibroflex, which are adapted to bare and cultivated soil**

- Working depth: 5 to 10 cm

#### **Square, which are adapted to heavy and clay soil**

- Working depth: 10 to 15 cm

## SAVE ON A PASS OF A STUBBLE CULTIVATOR

### EL64 stubble disc incorporator - width 4 to 6 m

Designed to work on surfaces which are congested with plant debris and stubble, the EL64 has two rows of discs: injecting and covering. The first row opens a space in the ground and provides the liquid to be spread. The second row covers the ground. The soil is worked precisely every 12.5 cm. The stubble incorporator saves one pass of stubble cultivator.



# CONTROL YOUR SPREADING WITH PRECISION

The numerous advances in electronic machine control technology which have been made in the agricultural industry over the last few years seek to improve the traceability of operations by recording the data collected on farm. The new digital tools are here to achieve intensive and reasoned productivity for farmers and contractors.

To enable this, we have developed HMI (Human Machine Interface) solutions intended to make your daily spreading easier: spread the right dose, in the right place, at the right time.



Multi-function joystick - iControl S



Touch-screen controller - iControl 7S

## MULTI-FUNCTION JOYSTICK

Choose the joystick to control your flurry tanker in the most simple way. It can accommodate several functions depending on your requirements and the specifications of your machine. Work with more comfort and save time by automating important operations.

## TOUCH-SCREEN CONTROLLER

This user-friendly controller gives you fingertip control of your liquid spreader. Increase your productivity by automating your pumping, transport and spreading cycles. Monitor in real time all the information of your operations and collect safely these data to manage your spreading records. The combination with the joystick gives you access to the main operating functions. Your terminal's parameters are determined according to your machine's specifications. For any specific work, you can easily switch to manual mode and have total control over your machine.



CAN control box



Tact-Master

### CAN CONTROL BOX

Ergonomic and simple to use, the CAN control box is ideal for getting started quickly. The unit enables all the machine's hydraulic and electronic functions to be controlled from the tractor's cab. Its compact design provides a high level of reliability and easy maintenance.

### TACT-MASTER

This 7 inch touch-screen terminal automates working cycles using pre-recorded scenarios. 4 cycles are available: filling, transport, implement, spreading. Customised programmes and a joystick make the tanker easier to control. It is designed and developed according to your needs and requirements.

### ELECTRONIC FLOWMETER

The dose to be spread in m<sup>3</sup>/ha is directly set by the operator on the touch-screen terminal. The slurry outflow is automatically regulated by a hydraulic valve at the entrance of the spreading implement. The outflow is regulated using two parameters:

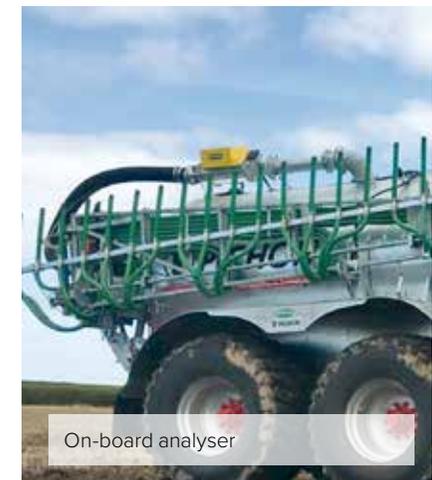
- The instant output rate measured by the flowmeter
- The real speed of tanker measured by a sensor on the tanker's wheels

### ANALYSER OF LIQUID ORGANIC FERTILISER

This portable on-board sensor uses real-time nutrient analysis to provide an accurate application of primary nutrients (N, P, K). It works with a flowmeter so that flowrate can be varied to make sure the field gets an even dose. The technology is used to alter the tractor's forward speed and response to changes in nutrient levels within the liquid spread in order to achieve the target application rate. When linked to a GPS, maps can be made from the records and reports for traceability purposes, showing the volumes and levels of nutrient applied.



Flowmeter touch-screen controller



On-board analyser

# ORGANISE EFFICIENTLY YOUR SPREADING OPERATIONS

- **COLLECTION**  
| (pumping systems)
- **TRANSPORT**  
| (road tankers)
- **STORAGE**  
| (containers)
- **TRANSFER**  
| (transfer cones and arms)
- **SPREADING**  
| (slurry tankers)

## SEPARATE TRANSPORT FROM SPREADING

Spreading periods are getting shorter and shorter and the weather can often be tricky. You need to be able to react quickly to cope with challenging conditions. We want to help you achieve this and we can provide you with a customised plan to organise efficiently all your spreading operations. At Pichon, we believe spreading and transport operations have to be completely separated.

A specific road tanker can be used to transfer liquid from the storage unit to the slurry tanker in the field. It enables the slurry tanker not to stop and spreading efficiency is maximum with very high daily outputs. This specific option has been thought to improve your performance.



Slurry tanker in the field supplied by road tanker



Container supplied by road tanker

## CONSTANT SUPPLY

Don't wait for road tankers to show-up and fill your slurry tanker directly on the edge of the field thanks to our open-top containers. It enables you to continuously store liquid organic fertiliser at the heart of your spreading operation. They are available from 45 to 90 m<sup>3</sup> capacities on demand.

## HAVE YOU EVER THOUGHT OF ROAD TANKERS?

We manufacture tankers exclusively dedicated to the transport of organic liquid fertiliser. You can choose the right solution for your working conditions thanks to our ranges of transfer arms and transfer cones.



Slurry tanker supplied by lorry tank



Transfer solutions at rear of tanker



## INCREASED YIELDS AND BETTER QUALITY CROPS

Spread on your fields with a single-axle or tandem axle TCI slurry tanker equipped with very wide wheels and tyre pressure monitoring system. Using extra-wide tyres maximises the contact surface with the ground and minimise soil compaction. These equipments enable you to respect the soil structure and increase its fertility.



Road tanker with transfer cone



Slurry tanker designed to minimise soil compaction



## HIGH VALUE NUTRIENTS AT YOUR DISPOSAL

We innovate and develop our products each day to improve their performance and provide you with effective solutions. All types of solid organic matter (farm yard manure, compost, chicken manure, green waste, etc.) provide perfect coverage for your plants' nitrogen, phosphorous and potassium requirements (N, P, K) when they are correctly spread at the right period.

The origin, density and dry matter content differentiate muck and compost.

Our range of Muck Master spreaders provide a solution for all your spreading requirements (thick and light matters).

**We propose two models of spreader: galvanised and painted on galvanisation offering volume capacities between 8 and 24 m<sup>3</sup> depending on your needs and your tractor power.**

# SOLID SPREADING



- 1 - Muck Master 30
- 2 - Vertical beaters 33
- 3 - Comfort and safety 34
- 4 - Spreading tools 36
- 5 - In-cab controllers 38

# A VERSATILE MACHINE, A DIVERSITY OF FERTILISERS

## HIGH LEVEL OF REQUIREMENTS

Farmers, cooperatives, contractors: our Muck Master spreader range is made for you. The models have an accurate capacity of 8 to 24 m<sup>3</sup> with a working width up to 20 m. **Specially designed for intensive use, this solid organic fertiliser spreader has an excellent reputation thanks to its perfect combination of robustness and versatility.** We have designed our equipment to guarantee high quality spreading and great output on the field. You'll love it when you try it!

## TRUST WITH TOTAL CONFIDENCE

The 100% galvanised Muck Master range is famous for its robustness. It can cope with any conditions you choose to use it in. **Road travel, hilly fields, hard-to-access terrain or compact manure, your Muck Master is afraid of nothing.** Thanks to its heavy-duty design (numerous reinforcements, 6 mm-thick chassis, galvanised steel interior and exterior, body sides bolted onto the chassis, etc.), the Muck Master will survive to your most challenging spreading operations.





### EVERYTHING THOUGHT TO THE FINEST DETAIL

The narrow body is paired with a high rear frame and large diameter vertical beaters. This design prevents the manure from being stuck in the body during spreading. The body design optimises the load volume and facilitates the spreading operation. **Maximise your volume by adding wooden or steel extensions.**

Standard on all our models, the floor chain is made of rectangular slats with Ø16 mm marine chains. The chain's pulling resistance index reaches 32 tonnes. We have centralised the greasing points on all our models to make maintenance easier for you.

Our spreaders may be equipped with large diameter wheels which limit traction power requirements or wide wheels to minimise soil compaction.

**The Muck Master spreader offers an excellent compromise between spreading width, power requirements and spreading pattern quality. The Muck Master fulfils his mission: spread all types of products evenly!**



# GREAT CONFIGURATION AS STANDARD

## Beaters diameter

Ø885 mm : M850 to M1250  
Ø1035 mm : M1350 to M2470

## Screw thickness

8 mm : M850 to M1250  
10 mm : M1350 and M1450  
12 mm : M1655 and over

## Blades

Reversible and removable,  
made of Hardox® 500

## Monobloc gearbox

fully protected with spiral bevel gear

## Floor Drive

Belt drive unit for high load

## Body sides

mounted on the chassis with stainless steel bolts

## Drawbar

sprung and galvanised

## Main drive shaft

Ø55 mm and fully protected by PVC tube  
Cam safety and free wheel as standard



# POWERFUL BEATERS

## LARGE DIAMETER AND OPTIMISED INERTIA

Ø885 mm for the M850 to M1250 and Ø1035 mm for the M1350 to M2470 models, the Muck Master's vertical beater dimensions are some of the largest on the market. This feature provides a very good crumbling and guarantees optimum even spreading. The beaters remain clean and require little maintenance. **Their weight provides incomparable inertia, preventing any tractor motor rate loss.** Our beaters are designed to guarantee your productivity: quick emptying and precision over large widths.

- **LARGE BEATER DIAMETER:**
  - | Facilitate the spreading
- **LARGE TUBE DIAMETER**
  - | Robust and impact resistant
- **ROBUST STEEL REMOVABLE SPLINED COUPLING:**
  - | Easy maintenance
- **HARDOX® 500 REVERSIBLE AND REMOVABLE BLADES:**
  - | Longer lifespan
- **OFFSET BLADES ONTO THE SCREW:**
  - | Better spreading quality and beater protection
- **BRACKETS TO HOLD THE WELDED BLADES TO THE SCREW:**
  - | Robustness
- **CURVED BLADES:**
  - | Increased spreading width



# COMFORT & SAFETY



With single or rear steering twin axles, your Muck Master can go anywhere. Thanks to its reinforced axles with oversized dimension of brakes, you can drive in complete safety from the storage area to the fields. The standard galvanised sprung drawbar maximizes the efficiency of the suspension. The optional hydraulic drawbar will increase the driving comfort, both in the fields and on the road.

# SOLID ARGUMENTS



## A SPREADER FOR YOUR CONDITIONS

The M850, M1050 and M1250 models meet the needs of small and medium-sized farms. Specially designed for hilly or difficult-to-access areas, these models have the lowest centre of gravity on the market for this type of capacity. Load your Muck Master easily with a small tractor or articulated loader, thanks to its body height less than two metres high. The significantly lowered centre of gravity provides the spreader with optimum stability on all grounds.



## PROVEN SPREADING QUALITY

The agronomic performances of the M1350, which has been "eco-spreading" certified, have been tested, measured and verified. This spreader is equipped as standard with a guillotine door, a spreading hood and application rate control system combined with weigh cells. Respect of the soil, high quality and even spreading are guaranteed. At constant speed, the lengthwise and transverse distribution during spreading operation is even with an average of 80%.



## UNLIMITED RELIABILITY

We control all of our spreaders' components in-house. Our Muck Masters have built a solid reputation for themselves thanks to their quality and reliability. To make this possible, we guarantee the body and chassis for 5 years against any premature damage under normal conditions of use of the machine.



# CONTROL YOUR FLOW RATES

## HYDRAULIC GUILLOTINE DOOR

The door enables the spreading flow rate to be adjusted depending on its opening height. On the road, it prevents any product loss.

## REAR DEFLECTORS

Choose between one or two side deflectors (right and/or left). They enable the spreading to be oriented, particularly when the field is beside a road or a water point.

## REAR SPREADING HOOD

Without doubt, versatile is the best adjective to describe our rear hood. It adapts to the rear frame of all Muck Master spreaders, including those which are already in use. Using our hood enables you to obtain optimum and even spreading, even with light products which require a low dose per hectare : dry chicken manure, lime, ash, compost, sludge cake, solid digestate and more. It is controlled hydraulically and includes specific curved blades fitted at the base of the beaters for even spreading over large widths: from 12 to 20 m depending on the product's density.

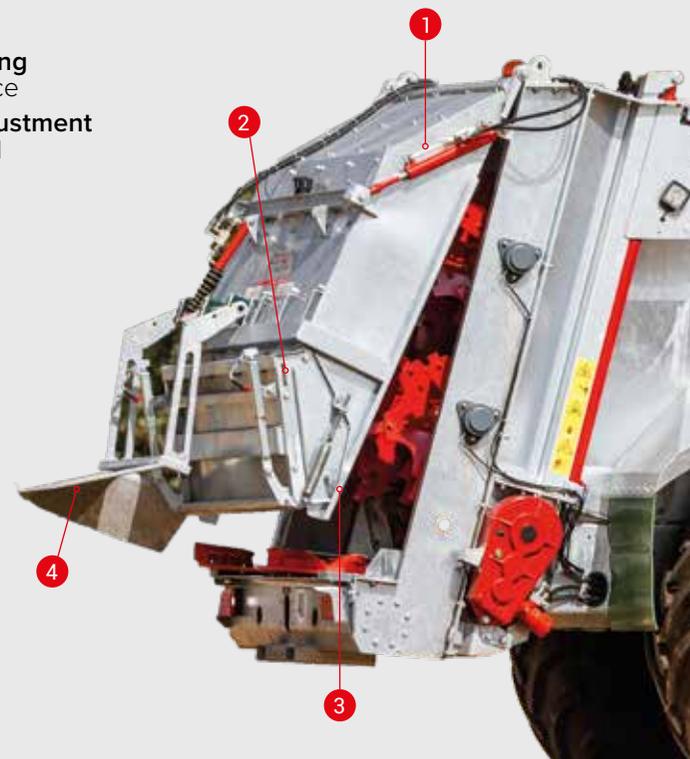
# SPREADING AT ITS WIDEST

## HORIZONTAL BEATERS AND SPINNING DISCS

Do you want to spread low dose of light and volatile products? The spinning discs are designed for this purpose. The horizontal beaters and bottom discs are perfectly sized. They provide very good transverse distribution of the product over a maximum width of 24 m depending on the density of the product spread. You get uniform and even coverage over the whole field.

Fit and remove this equipment easily to make your spreader even more versatile. The Muck Master's rear frame can be switched easily from vertical beaters to horizontal beaters with spinning discs. Each type of beaters has its own use. You can also use the rear hood to turn compost in fixed position to make your spreader even more versatile!

- 1 **Hydraulic opening**  
Easy maintenance
- 2 **Door height adjustment**  
Flow rate control
- 3 **Tilt adjustment**  
Dropping point
- 4 **Side deflector**



## SPINNING DISCS

- Diameter Ø1020 mm
- 3 to 6 blades depending on the product
- Movable blades depending on the density
- Robust removable splined coupling
- 650 rpm rotation speed

## HORIZONTAL BEATERS

- Diameter Ø800 mm
- 32 reversible blades per beater
- Hardox® 500 blades
- Robust removable splined coupling
- 400 rpm rotation speed



# CONTROL YOUR SPREADER

## OPTIMISE YOUR OUTPUT

The new expectations for sustainable agriculture are encouraging each user to value the animal waste of their farms. More than just a fertiliser, it is a resource that must not be wasted. When you modulate your organic fertiliser dose, you optimise your output. We offer a complete range of electro-hydraulic and touch-screen controllers. Choose according to your level of expectation for precision.



## CAN CONTROL BOX

Simply designed and easy to use, the CAN control box is ideal and simplifies spreading operations. Manage all of your spreader's features manually from your tractor's cab. Door and deflectors opening, floor chain speed control and more, from 2 to 6 functions are available. The standard integrated potentiometer controls the floor chain speed.



## MASTER CONTROL PRO

Spread the right quantity of nitrogen thanks to dose regulation. Combined with weigh cells, the Master Control PRO simplifies your work. The floor chain speed is determined according to pre-recorded parameters. Information displayed continuously on the screen:

- Target dose
- Real time spread dose
- Tractor's speed
- Floor chain's speed
- Product density
- Time and surface counters

The Master Control PRO is available in 2 versions: 7-inch touch screen or ISOBUS terminal version.

## DATA TRACEABILITY

Transfer the information of your spreading operations to USB stick: quantity spread (tonnes), number of loads, total spreading time, total spreading surface, duration, etc.

# ON THE WAY TO PRECISION FARMING





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