



MUCK SPREADERS FROM 8 TO 24 M³



A NEW SPREADING CONCEPT

Complementary product to slurry tankers, PICHON also manufactures a full line up of rear discharge spreaders: the **Muck Master**.

This range of muck spreaders is especially designed for farmers and contractors who are looking for a unique heavy duty construction machine.

PICHON makes the significant choice to manufacture their spreaders by using a unique and innovative design of a narrow body. The main idea of this body design is to find a good compromise between width and length while keeping a high rear frame and oversized beaters in order to ensure the regularity of the spreading. This body shape also enables the use of high diameter wheels reducing the requirements of towing power.

As is tradition with PICHON, the **Muck Master** range is fully manufactured with galvanized steel. The spreaders are entirely adapted to cope with the most compacted materials thanks to a unique robust design and a system of vertical twin beaters. The unequalled diameter, the height and the incline of the PICHON beaters give the **Muck Master** the capability to spread multiple products in various working conditions from 6 to over 20m width.

PICHON also offers a range of accessories in order to handle any type of solid manure and to have a more accurate spreading (hydraulic guillotine door, rear hood, bottom deflectors, weighing system, flowmeter...).

A REAL HEAPED CAPACITY FOR THE WHOLE RANGE MUCK MASTER

PICHON offers 10 models of muck spreaders from 8 to 24m³. Manufactured for professional purpose, it meets and exceeds the most demanding requirements in accordance with the natural constraints of spreading activity.

The naming of the PICHON range **Muck Master** is in line with the cubic capacity of the machine itself.



EXPERIENCE

With over 40 years of experience and knowledge, the PICHON staff are able to analyze, advice and offer the ideal solution as each demand requires a customized answer.

GALVANIZATION

The **Muck Master** range is fully protected by a hot zinc (450°C) galvanization process thus increasing the spreader lifespan.



A UNIQUE DESIGN

PICHON is unquestionably a major innovator. The oversized beaters (885 or 1035mm) ensure to spread evenly without pushing product back inside the body, saving time and fuel to the user.

DRIVE SAFELY



In addition to an incredible performance on the fields, you will be able to drive a machine which is as smooth on the road as it is on the fields.

All the spreaders are equipped with reinforced axles with oversized brakes (air and/or hydraulic). As standard they come with a fully sprung drawbar with multi-leaf springs, truck lights and flashing beacon. Thanks to this standard equipment, the machine is already approved to 40km/h in many European countries.

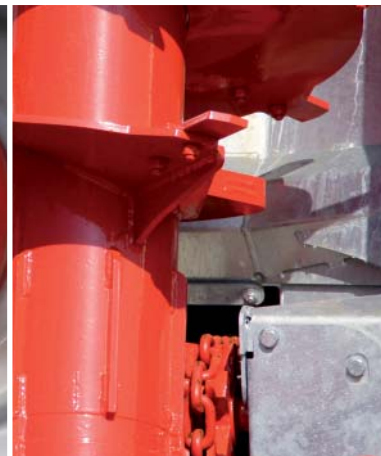
ENGINEERED FOR STRENGTH

PICHON selects the most reliable components for their technical and mechanical characteristics.

The **Muck Master** continues the manufacturing of excellence from PICHON with a fully galvanized body as standard, reinforced top lip and body, assembled with stainless steel bolts. The spreaders are also equipped with a slatted top grill at the front to ensure protection to the user and also allow visibility inside the machine while discharging.

Upon this reinforced structure, PICHON has made the choice to install vertical twin beaters with unequal diameters and also reversible blades made of Hardox steel. The beaters are positioned on a monobloc gearbox driven by a 55mm diameter shaft allowing a better transmission of speed and torque. The heavy gauge screws (from 8 to 12mm according to the model) are welded to large diameter tubes.

The floor is composed of U-shaped slats (70x40mm) and marine chains (16mm diameter). The bearings of the floor transmission are protected by a galvanized frame. The maintenance is easier thanks to centralized greasing point. The floor is driven by a reducer with high torque and is regulated as standard by a manual control (electric control is also available as an option).



BUILT TO SUIT YOUR SPECIFIC NEEDS



EASY ON THE FIELD

EASY OPERATION

SIMPLE MAINTENANCE

OPTIONS FOR YOUR COMFORT

AXLE SUSPENSION

The spreader must fit all working conditions in the field but also be smooth on the road. **PICHON offers a wide range of axles: sprung, passive or active hydraulic.** In addition, the DELTA suspension designed by PICHON is particularly adapted to intensive uses for extreme working conditions, thanks to a better ground clearance.

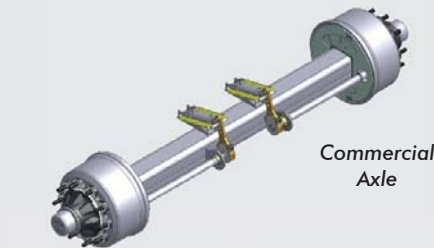
The user can choose free or forced steering axles to optimize the manoeuvrability, to reduce tyre wear and to increase road safety.



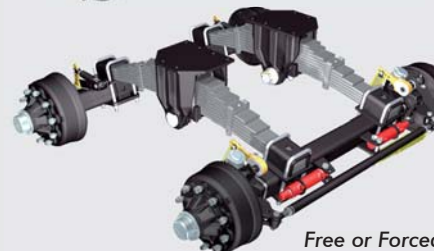
DRAWBAR SUSPENSION

Thanks to their design, PICHON drawbars transfer perfectly the traction efforts to the chassis. **Galvanized as standard, there are two models available:** multi leaf springs as standard or hydraulic suspension as option.

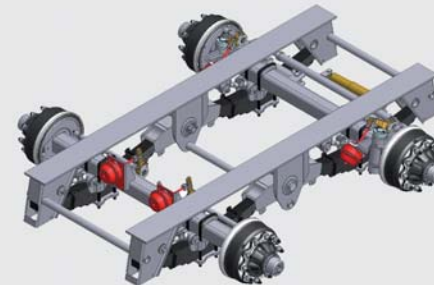
The hydraulic drawbar (option) is used to vary the slope of the drawbar and improve traction of the machine. The driver will appreciate this comfort as much on the road as on the fields.



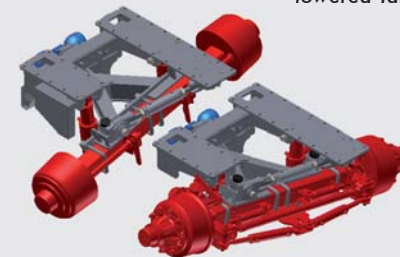
Commercial Axle



Free or Forced steering Bogie



Free or Forced steering lowered Tandem



Free or Forced steering Delta suspension

3 CHOICES OF CONTROL



Depending on the specifications chosen by the customer on his machine, PICHON can supply various models of control boxes (electric or hydraulic).

As standard, a variable external speed control of floor (from 1 to 10) is equipped on the whole **Muck Master** range.

The user is offered the possibility to choose an in-cab control box in order to adjust the speed of the floor from inside the tractor cab.

Also available as an option, PICHON offers a full in-cab control box including the speed control of floor and additional hydraulic functions (opening/closing of the guillotine door, use of the rear hood...).



A MULTI-PURPOSE MACHINE BUILT TO YOUR NEEDS

In addition to the oversized beaters, PICHON offers a wide range of options to fit all spreading requirements.

The guillotine door avoids any blockage of the beater with muck, before starting up. The door also enables the user to regulate the spreading flow as well as decreases the possible loss of material on the road.

Hydraulic side deflectors increase the spreading accuracy while controlling the orientation (not to spread on the roads, neighbors' fields, banks). This option is in-cab controlled.

A spreading hood with spinning discs can be mounted (or retrofitted) on the spreaders to spread light products with low quantity (less than 10t/hectare) such as poultry muck, ashes or compost. This spreading hood ensures a uniform spreading width from 15 to over 20m, and decrease the effect of wind interference.



Hydraulic side deflector



Right & left deflectors



Rear hood with spinning discs





GIVE VALUE TO YOUR SPREADING

The spreading of organic manure must fit farming requirements. It is thus important to respect the optimal spreading periods.

As manure is a much diversified organic fertilizer, it is necessary to spread the right dose, at the right time with the right tool to get the best benefits on the soil.

That is why the choice of the muck spreader is the key success factor of the organic fertilization.

Manure / Season*	Winter	Spring	Summer	Autumn
Beef				
Pig				
Poultry				
Compost				

Rape Maize Grassland Cereal

*example for temperate climate

ACCURATE SPREADING



The Flowmeter adjusts the flow by regulating the floor speed in accordance to the requested spreading width. The combination Flowmeter / Load counter comes with a sensor placed in the hub.

The operation is very simple: The user enters the type of muck, the quantity per hectare/acre and the requested spreading width on his in cab control box. The speed of the floor chain will vary accordingly.

PICHON also offers a combined weighing system with the Flowmeter for more accurate spreading. The total weight is calculated and allows the user to spread the right quantity.

	From 3 to 10 t/ha	From 10 to 20 t/ha	From 20 to 50 t/ha
Compost			
Poultry Manure			
Beef Manure			

CUSTOMIZE YOUR MACHINE

Each model of the **PICHON Muck Master** range can be tailor-made thanks to a large choice of options.

16mm marine chains can be replaced by 20mm VAUCANSON chains, combined with rolls cleaner or galvanized chain protectors.

For a better comfort, the spreader can be equipped with a hydraulic drive unit (80L) to maintain the same floor speed when tractor change is required.

Giving value to the organic manure is the best choice for the environment but also for the savings!

That is the reason why PICHON offers so many possibilities to customize your machine.

A complete overview of our options is available page 13.



Load counter



Hydraulic chain tension



Dismountable slats



Beaters tube Ø323 mm and 62 knives



Mechanical guillotine door level indicator



Protected hydraulic drive unit (80L/min)



Spinning discs for rear hood



Double truck lights



Mudguards

TECHNICAL DATA

Model	M ³	Top Beater Height	Axle / Studs	Hydraulic Brakes	Reducer	Hydraulic motor	U shape slats 70mm	Beaters diameter	Screw thickness	Reversible blades	Rotation speed of the beaters (at 1000 rpm)
M8	9,3	1563mm	Axle 90mm / 10	400 x 80	5 000 N.m	160 cm ³	29	885mm	8mm	42	480 rpm
M10	10,3	1563mm	Axle 90mm / 10	400 x 80	5 000 N.m	160 cm ³	29	885mm	8mm	42	480 rpm
M12	12,8	1678mm	Commercial axle 150mm / 10	420 x 180	5 000 N.m	160 cm ³	34	1035mm	10mm	46	422 rpm
M14	13,7	1678mm	Commercial axle 150mm / 10	420 x 180	5 000 N.m	160 cm ³	34	1035mm	10mm	46	422 rpm
M16	16	1895mm	Commercial axle 150mm / 10	420 x 180	10 000 N.m	160 cm ³	37	1035mm	12mm	52	422 rpm
M16B	16	1895mm	Free steering PICHON boggie Axle 130mm / 10	406 x 120	10 000 N.m	160 cm ³	37	1035mm	12mm	52	422 rpm
M18	17,6	1895mm	Commercial Axle 150mm / 10	420 x 180	10 000 N.m	160 cm ³	37	1035mm	12mm	52	422 rpm
M18B	17,6	1895 mm	Free steering PICHON boggie Axle 130mm / 10	406 x 120	10 000 N.m	160 cm ³	37	1035mm	12mm	52	422 rpm
M20	20,4	1895 mm	Free steering PICHON lowered Tandem Axle 130mm / 10	406 x 120	10 000 N.m	160 cm ³	45	1035mm	12mm	52	422 rpm
M24	23,6	1895 mm	Free steering PICHON lowered Tandem Axle 150mm / 10	420 x 180	10 000 N.m	160 cm ³	45	1035mm	12mm	52	422 rpm

STANDARD EQUIPMENT

STRUCTURE:

- galvanized
- axle recessed in the chassis
- chassis 6mm thickness
- removable body side board
- front frame 4 and 6mm thickness
- stainless steel bolts
- rear frame 6 and 8mm thickness
- wide box belt
- folding ladder
- big front protection frame (from model M14)

TRANSPORT:

- jack: manual from M8 to M14 or hydraulic from M16 to M24
- galvanized sprung drawbar
- bolted ring hitch
- hydraulic brakes
- flashing beacon
- truck lights

SPREADING:

- large diameter beaters (885 or 1035mm)
- marine chains 16x56mm
- distance between floor slats 336mm
- left & right front rolls scrapper
- manual chain tension
- drive shaft 55mm diameter, fully protected
- overrunning clutch + cam clutch
- Wide angle PTO shaft (option on models M8/M10)
- oversized gearbox

PROFILES OF THE WHEELS



21,3 R 24 AS
23,1 R 26 AS
28,1 R 26 AS
30,5 R 32 AS



Alliance
324 / 347



Alliance 356



Alliance 360



Alliance 370



Alliance 380



Alliance 390



Continental
AC70G



Mitas
TR08



Trelleborg
Twin Radial



Nokian ELS



Nokian
Country king



Michelin XS



Michelin Cargo
XBIB



Michelin
XM27

OPTIONS

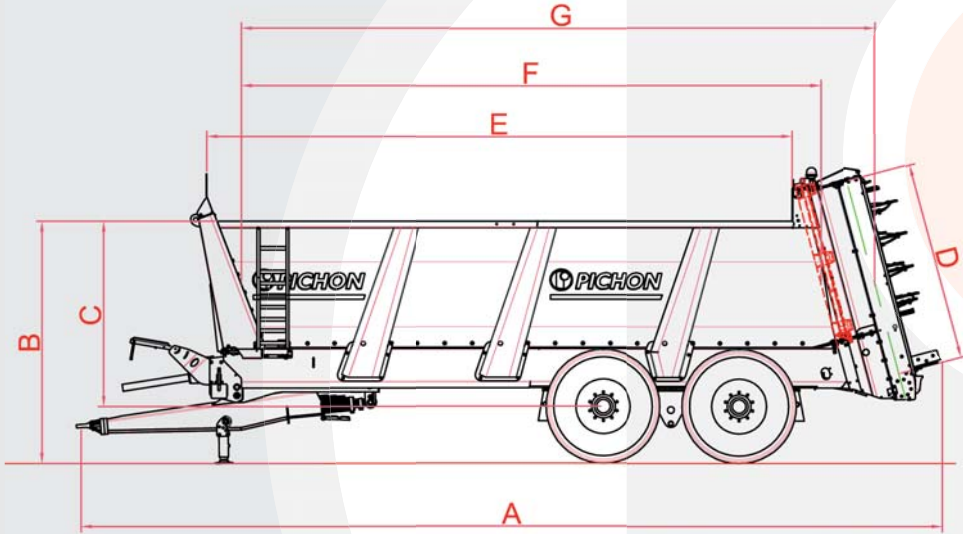
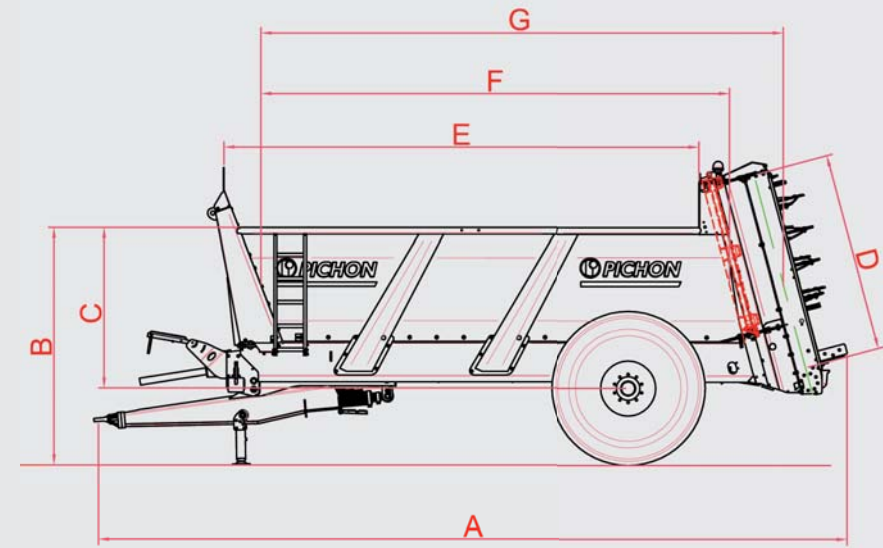
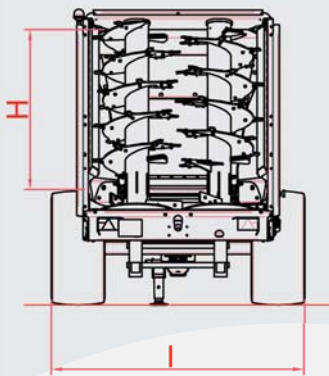
	M8	M10	M12	M14	M16	M16B	M18	M18B	M20	M24
Wide angle PTO shaft serie 6 splines 1"3/8										
Hydraulic guillotine door										
Mechanical guillotine door level indicator										
Hydraulic guillotine door level indicator										
Opening guillotine door security										
Right side hydraulic deflector										
Left side hydraulic deflector										
Rear hood with spinning discs										
Right bottom deflector on rear hood to control spreading width										
Left bottom deflector on rear hood to control spreading width										
Beaters with Ø323mm tube + 62 knives										
Double blades (on first bottom screw)										
Double blades (on the entire screw)										
Wooden extensions (+ 15 cm)										
Hydraulic chain tension										
Ø20 mm VAUCANSON chain in lieu of marine chain (distance between floor slats 300mm)										
Rear rolls cleaners (marine chain only)										
Chain protector (for lime product and heavy manure)										
Air brakes in lieu of hydraulic brakes										
Air and hydraulic brakes										
Extra DELTA Active hydraulic suspension 2 modules										
Extra kit for TANDEM 40km/h										
Ø 80 bolted ball hitch in lieu of ring hitch										
Hydraulic jack										
Hydraulic drive unit (oil quantity delivered 80L - 1000 rpm PTO)										
Filter on hydraulic circuit										
In-cab electric floor control										
Hydraulic distribution for 2 hydraulic functions with in-cab electric control										
Load counter										
Flowmeter (application rate control)										
Flowmeter + Weighing system										
Mudguards										
Storage box										
25L hand washing water tank										
Notebook tube										

LEGEND: ■ OPTION AVAILABLE ■ STANDARD ■ OPTION NOT AVAILABLE

DIMENSIONS OF THE MUCK MASTER RANGE

Models	Wheels*	A	B	C	D	E	F	G	H	I
M8	21,3 R 24	7 425 mm	2 065 mm	1 365 mm	1 980 mm	4 085 mm	4 300 mm	4 840 mm	1 565 mm	2 690 mm
M10	18,4 R 30	7 425 mm	2 390 mm	1 615 mm	1 980 mm	4 085 mm	4 300 mm	4 840 mm	1 565 mm	2 617 mm
M12	23,1 R 26	8 335 mm	2 475 mm	1 675 mm	2 150 mm	5 045 mm	4 990 mm	5 625 mm	1 700 mm	2 737 mm
M14	620 / 75 R 26	8 335 mm	2 900 mm	1 925 mm	2 150 mm	5 130 mm	4 990 mm	5 625 mm	1 700 mm	2 875 mm
M16	580 / 70 R 38	8 875 mm	2 804 mm	1 895 mm	2 350 mm	5 625 mm	5 545 mm	6 185 mm	1 895 mm	2 727 mm
M16B	550 / 60 R 22,5	8 875 mm	2 761 mm	2 230 mm	2 350 mm	5 625 mm	5 545 mm	6 185 mm	1 895 mm	2 800 mm
M18	650 / 75 R 32	8 875 mm	3 045 mm	2 145 mm	2 350 mm	5 625 mm	5 545 mm	6 185 mm	1 895 mm	2 875 mm
M18B	580 / 65 R 22,5	8 875 mm	3 042 mm	2 480 mm	2 350 mm	5 625 mm	5 545 mm	6 185 mm	1 895 mm	2 836 mm
M20	600 / 55 R 26,5	1 0175 mm	2 862 mm	2 190 mm	2 350 mm	6 925 mm	6 855 mm	7 590 mm	1 895 mm	2 975 mm
M24	650 / 55 R 26,5	1 0175 mm	3 120 mm	2 440 mm	2 350 mm	6 925 mm	6 855 mm	7 590 mm	1 895 mm	2 995 mm

* example of advised wheels, dimensions accordingly



A PROFESSIONAL SERVICE AND A NETWORK TO SUPPORT YOU

SALES SERVICE

PICHON sales representatives are at your disposal to assist you in choosing the right equipment. Specialists in PICHON solutions, they can advise you and your customer in making of the ideal machine for your specific use. We invite you to meet them at agricultural fairs where PICHON is present or ask for their contact details at the factory.

DELIVERY

We deliver machines with our own fleet of trucks and our experienced drivers. Machines can also be despatched by containers worldwide.

ASSISTANCE FOR FIRST USE

You can benefit from our technical assistance for first use service. On site assistance is available on request.

AFTER-SALES SERVICE

Our qualified technicians are glad to assist our customers. You can download the assistance form request directly on our website.

SPARE PARTS

Our technicians can help you to find the parts within our large stock available. We have a wide choice of spare parts for PICHON range that can be despatched worldwide.

ONLINE

In addition to this brochure, we invite you to find more detailed information about our products on PICHON website.

You will discover many videos and pictures of our machines in use as well as the features of each range.

You can also find our latest news, the list of exhibitions we attend to as well as all our leaflets in PDF file.



www.pichonindustries.com



Discover our last videos on the Youtube PICHON channel:
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