



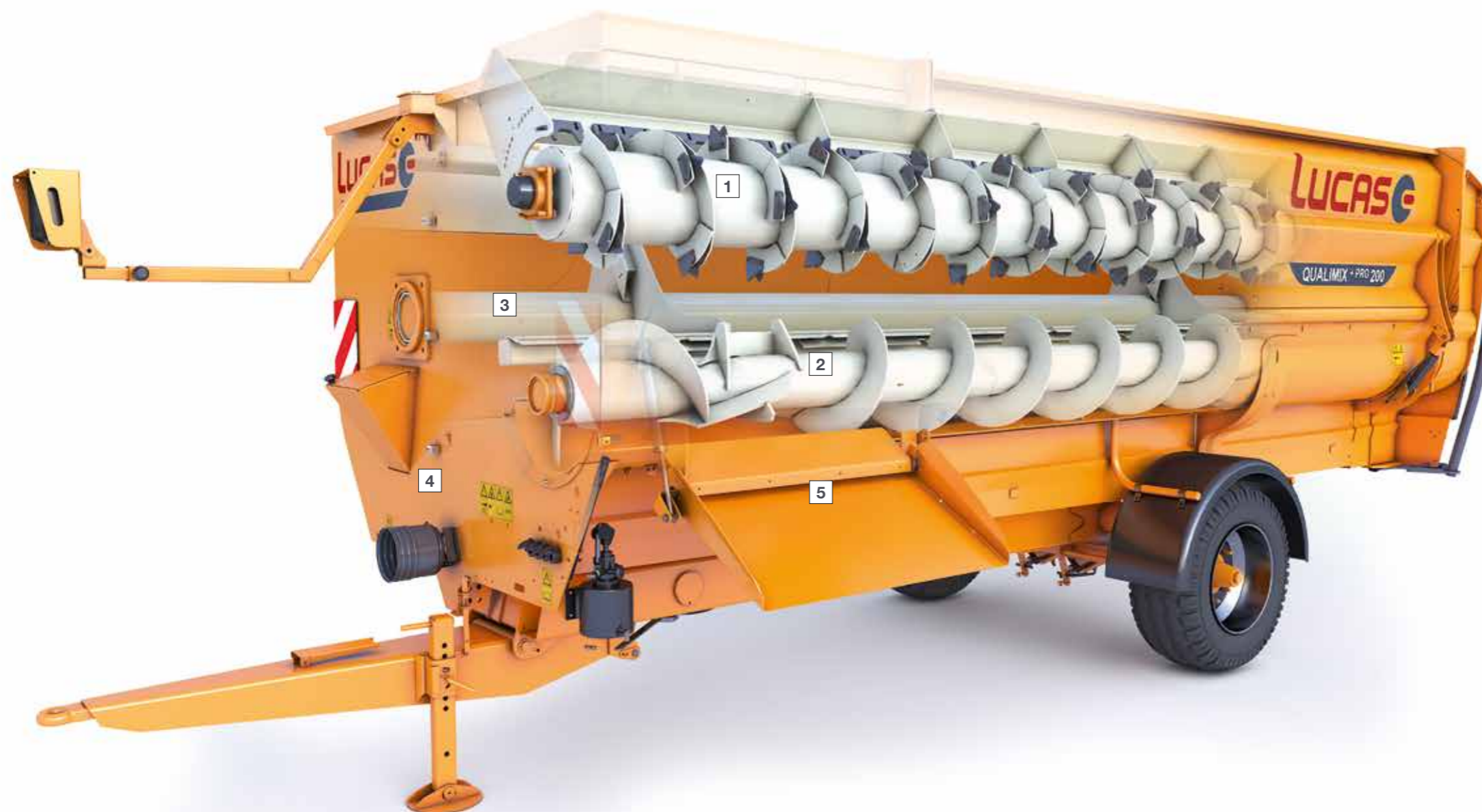
QUALIMIX

HORIZONTAL PADDLES MIXER



A unique mixing process

For more than 30 years, Lucas G is committed to bring solutions in mixing rations. Lucas G knows the power and benefits of a homogeneous ration, aerated and palatable while respecting the raw material loaded into the machine. This set of parameters are the vectors of profitability of the farm, they will bring best feeding efficiency rates.



LUCAS G KNOW-HOW

- 1 Cutting rotor:** designed to cut fibrous materials (hay, straw, wrapped bale,...), it is equipped with 82 in version 15 m3 and 112 in version 20 m3 curved sections and have a ration speed of 80 rpm. Once cut the material falls into the paddles mixing area.
- 2 Endless auger:** the lower auger has a sense of rotation opposite to the mixing paddles which brings the material to the front of the machine to ensure an optimal spreading of the concentrates. The auger guarantee a homogenous distribution once the trapdoor is open.

- 3 Mixing paddles:** 3 welded and retractable mixing paddles to avoid breaking safety bolt in presence of foreign objects and to suit all kind of mixtures. This area is without knives which enable all materials to be brewed and aerated. The rotation speed of the paddles is 5 rpm.
- 4 Smooth tank:** avoid the second cut of materials, the deterioration and the excessive heating of sensitive products. Heavy duty tank of 6 mm thickness in High Strength Steel.

- 5 Distribution trapdoor:** located at the front left of the machine, it is operated hydraulically from the tractor cab. The lower endless auger brings the material to the trapdoor. The flap located under the trapdoor offset the swath of 40 cm to avoid any contact with the wheels. (Trapdoor width 1050mm).

V-SHAPE KNIVES

- Clean cut of the material thank to the comb
- Respect the fibrosity
- High working output with all type of fodder
- Suited to cut Hay / Straw / Wrapped bale



KINEMATIC WITH CHAINS

- Simple kinematic (no angular gearbox)
- Multiplier effect of power
- Fuel-efficient
- Oil-bath lubrication



Benefits of a paddles mixer



2 DISTINCT AREAS OF LOADING



The combination of mixing paddles and endless augers allow to make homogeneous ration from 300 kg of loaded material, this system is perfect to feed fresh ration to calves.



Continuous mixing without second cut gives a outstanding quality of mixes with a gap of homogeneity lower than 2% on 60 meters of distribution.



The kinematic with chains gives a power multiplier effect to drive all the components of the machine. The Qualimix is fuel-efficient machine that does not need lot of tractor power to be fully driven.

STATIONIMIX Stationary mixer wagon

The paddles diet feeder Qualimix is also available in stationary version. They can be used as a diet feeder for a kitchen of an automatic feeding system or as a stationary mixer for the preparation of ration to be distributed with a feeder bucket.



PREPARATION OF RATIIONS

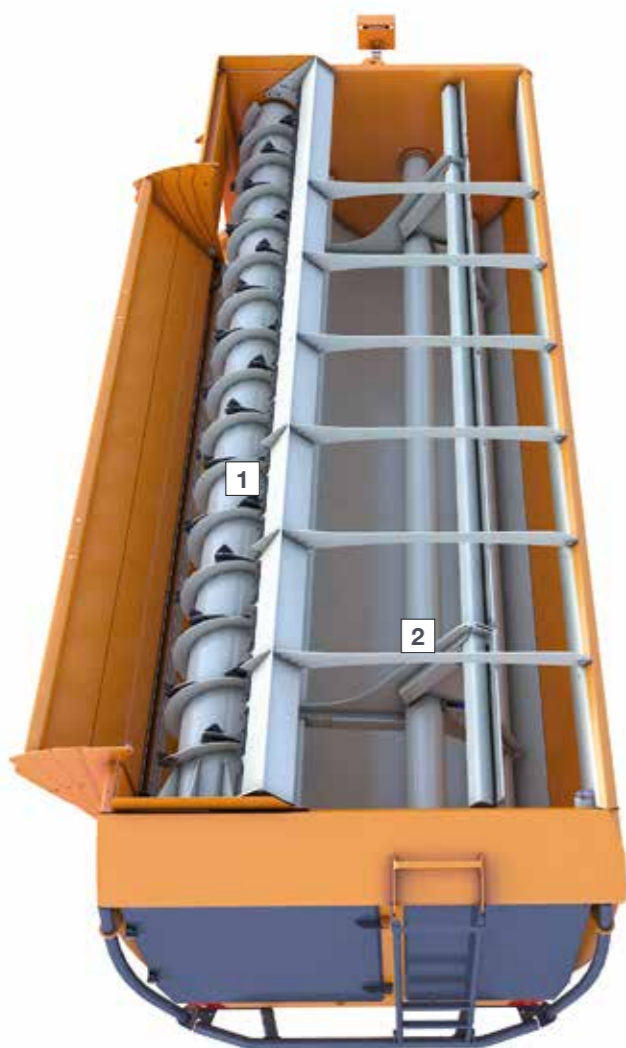
The range of paddles diet feeder Qualimix is composed of 2 models of 15 and 20 m3 capacity. These diet feeders have 2 distinct areas to respect the ingredients loaded inside the machine.

1 LOADING AREA - FIBRE

This area is dedicated to load long products, hay, straw, wrapped bale, the cutting rotor will execute a clean cut of the ingredients. The loading flap is opened hydraulically to ease the load with grab bucket.

2 LOADING AREA - BULK

This area is dedicated to the loading of silage, minerals that does not need to be cut. This area gives to fragile product the possibility to be mixed with being altered, this avoid the problem of excessive heating of materials. Once the ingredients loaded, it is brewed by the mixing paddles.



systemX

THE PRECISION TO SERVE THE RATION

To measure the costs of the distributed rations, the mixer wagons Qualimix are standard equipped with a non-programable weighing system X400. The device will give depending on the chosen model to weigh ingredients, know the quantities distributed and adapt easily the fluctuation in number of animals. A system of tare or skipping ingredients remotely is also available.



Control & distribution

MANUAL OR ELECTRIC CONTROL

Standard:

The machine needs 2 hydraulic functions to work, the different functions are controlled from the tractor distributor.

Optional:

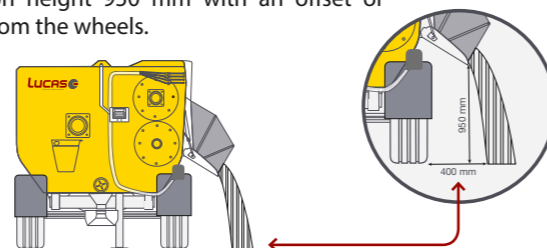
Electric control allows to control all the functions of the machine from the tractor cab. Each button has their own function.



DISTRIBUTION PERFORMANCE

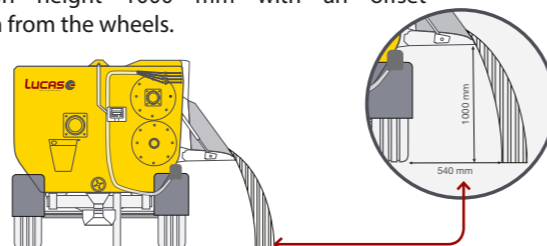
Distribution with front trapdoor:

Distribution height 950 mm with an offset of 400 mm from the wheels.



Distribution with horizontal conveyor:

Distribution height 1000 mm with an offset of 540 mm from the wheels.



A selection of options



Magnetic extraction: located on the flap of the trapdoor to extract foreign metal objects present inside the ration..



Horizontal feeding conveyor: for a distribution inside troughs, it guarantees a distribution height of 1000 mm and an offset of 540 mm

2 PACKS OF OPTIONS

Lucas G has imagined 2 packs of options to adapt the Qualimix to goat market's requirements with the Small Ruminants Pack and a pack designed for a daily use of the machine the Protection Pack



SMALL RUMINANTS PACK

- Horizontal feeding conveyor
- Smaller distribution trapdoor (width 525 mm) 3 parts
- Electric control in the cab
- Second control at the front of the machine

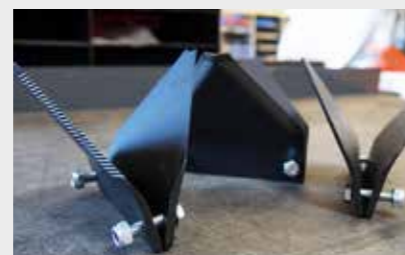


PROTECTION PACK

- Anti-embedding bar
- Mudguard
- Magnet on feeding flap

EASY TO MAINTAIN

To ensure an optimal performance of the machine and keep maximum efficiency as in the first days, it is necessary to ensure a small amount of maintenance. A yearly maintenance will enable your machine to increase significantly its lifetime while keeping an outstanding mixing quality.



Curved cutting knives: to preserve the abrasiveness of the cutting rotor.



Oil-bath kinematic: easy to access, it is protected by safety bolts.



QUALIMIX STANDARD EQUIPMENT

- Front left trap door
- Mixing process (Paddles and endless auger)
- Hopper for liquids & dry food
- Suspended draw bar & adjustable (150 mm – 650 mm)
- Manual control
- Hydraulic stand
- Not programmable weighing box X 400

Model	150	200
Capacity (m ³)	15	20
Equivalent dairy cows	50 – 80	80 - 110
Height of distribution (mm)	950	
Overall height (mm)	2840	2860
Overall width (mm)	2550	
Overall width at wheels (mm)	2400	
Width of loading area (mm)	3130	4480
Overall length (mm)	6530	8000
Tractor Power (HP)	90	
Oil flow min/max (L/min)	15 / 45	
Pressure (bars)	160 / 200	
Hydraulic distributor	2	
Unladen weight (kg)	6100	8500
Tyres	385 / 60 – R 22,5 – ø 1070 mm	385 / 55 – R 22,5 – ø 996 mm



LUCAS

focus on performance

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